ORDER NO. ACED060221C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C8803W

WMA MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/ Treble)	Bass: ±12dB at 80Hz / Treble: ± 12dB at 6kHz
Equalizer Center Frequency	62.5, 125, 250, 500, 1k, 2k, 4k, 8k, 16k (default) (Hz)
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.5A / (CD mode; 0.5W × 4 -speaker)
Maximum Power Output	70W × 4(at 1kHz)
Power Output	33W × 4CH(1kHz, 1%, 4)
Speaker Impedance	4 - 8 Ω
Pre-amp Output Voltage	5V (CD mode; 1kHz, 0dB)
Subwoofer-output Voltage	5V (CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	60 Ω
Subwoofer-output Impedance	60 Ω
FM Stereo Radio	
Frequency Range	87.50MHz - 108.00MHz
Usable Sensitivity	8dB μ V (S/N 30dB)
Frequency Response	30Hz - 15kHz (±3dB)
Alternate Channel Selectivity	75dB (IF: MID)
Stereo Separation	40dB (at 1kHz)
Image Response Ratio	75dB (IF: MID)

IF Response Ratio	100dB (IF: MID)
Signal to Noise Ratio	62dB
AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	25dB/ μ V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	86dB (2V)
Dimensions (W×H×D)**	178×50×155mm
Weight**	1.7 kg
* Specifications and the design are subject to possible modification without notice due to improvements. ** Dimensions and Weight shown are approximate. ** Above specifications comply with EIA standards.	

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1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2. FEATUERS

- Hands-Free Phone System (The optional Bluetooth hands-free kit: CY-BT100N).
- Expansion Module (The optional Hub unit: CY-EM100N).
- The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801W).
- The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).
- The optional adapter allows you to connect the optional iPod series.
- SQ (Sound Quality).
- SQ9 (9-Band Sound Quality) .
- D.M(Direct Memory).
- Customize the Display (Customize Function).
- Full Digital CD Receiver
- Radio DSP
- MP3/WMA Playback from CD-R/RW.

3. REPLACEING THE FUSE

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

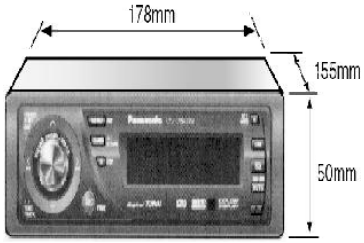
Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

5. NOTES

[RADIO BLOCK]
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6. DIMENSIONS



7. LASER PRODUCTS

CAUTION:

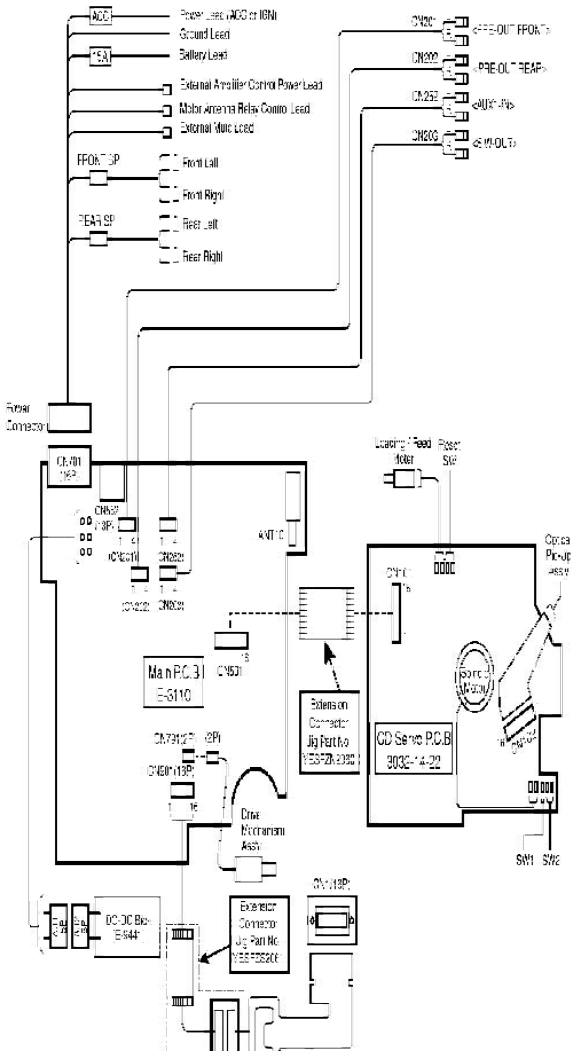
This product utilizes a laser diode with the unit turned "on". laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.

8. WIRING CONNECTION

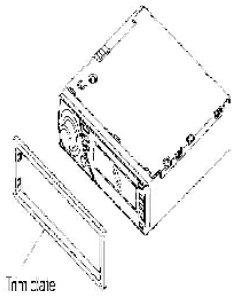


9. DISASSEMBLY INSTRUCTIONS

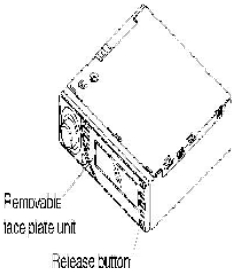
9.1. How to Remove the Flexible PCB(AP2)

■How to remove the flexible PCB(AP2):

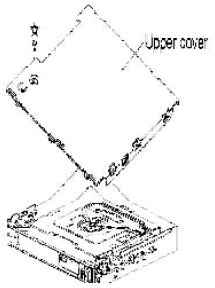
1. Remove the trim plate.



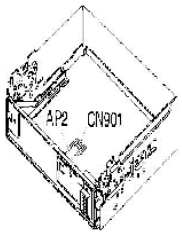
2. Remove the removable face plate unit by pressing the release button.



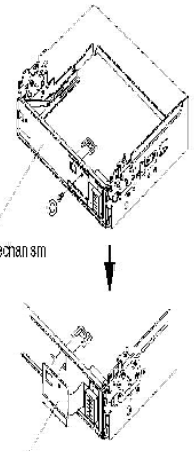
3. Remove the screw(x2) and take off the Upper cover.



6. Remove the flexible PCB(AP2) from the CN901 (E-3110).



6. Remove the screw(1) from the Drive Mechanism Assy and remove the flexible PCB case.



7. Remove the flexible PCB(AP2) from the CN1.

9.2. How to Install the Main P.C.B. of the Electric Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : C2CBKG000041

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	PANEL OPEN	PANEL OPEN detection	I	5.3	5.3	5.3
2	PANEL CLOSE	PANEL CLOSE detection	I	5.3	5.3	0
3	FR/WP	-	O	5.0	5.0	5.0
4	BATT	BATT detection	I	5.0	4.9	5.0
5	ACC	ACC detection	I	5.0	4.9	5.0
6	SDA DSP	Electronic VOL data	I/O	4.7	4.9	5.1
7	SCLK DSP	Electronic VOL clock	O	4.7	4.8	5.0
8	CD MUTE	CD Mute Detection	I	5.1	5.1	5.3
9	Vss	GND	I	0	0	0
10	FR HOLD	FRONT/REAR CH LIMITER control	L	4.8	4.8	5.0
11	LMTR S L MONO(NC)	No Connection	-	-	-	-
12	LMTR S R CENT(NC)	No Connection	-	-	-	-
13	DSP INT OK	DSP initialization completion notification	I	0	0	0
14	DE EMPH I2S1(NC)	No Connection	-	-	-	-
15	CD RESET	CD deck reset output	O	4.9	4.9	4.9
16	SUB SI	SUB u-com Data trans	SO	0.7	0.7	0.7
17	CD IN	DISC holding in one's mouth detection	I	5.0	5.0	5.1
18	SUB SO	SUB u-com data recept	SI	4.4	4.4	4.4
19	CH DATA	CH Data recept	SI	0	0	1.7
20	CH CLK	CH Clock recept	SCK	4.9	4.9	4.9
21	Vdd	Power supply	I	4.9	4.9	4.9
22	UP SI	FLASH W SI	S0	0	0	0
23	CD SI	CD DATA transmission	S0	0	0	0
24	CD SCLK	Clock recept from CD	SCK	0	0	0
25	CONDENSOR	Capacitor for power supply	-	3.2	3.2	3.2
26	CD SO	Data recept from CD	SI	0	0	0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
27	CH STB	Changer stororb signal input	INT	0	0	0
28	CH REW	DISC in detect	I	4.8	4.8	4.8
29	DECK CONT	DECK power supply control output	O	4.9	4.9	4.9
30	REMO INT	Remote control signal interruption	INT	5.0	5.0	5.0
31	RESET DSP	Reset output to DSP	O	4.9	4.9	4.9
32	Avdd	Power supply of D /A converter	I	5.1	5.1	5.1
33	AVREF	Reference voltage for D/A converter	I	5.1	5.1	5.1
34	AVGND	Reference GND for D/A converter	I	0	0	0
35	AVSS	Grand for A/D and D/A converter	I	0	0	0
36	CD FS	CD deck frame sink output	O	4.8	4.8	3.2
37	INIT A	Initializ A	A/D	2.9	2.8	2.9
38	INIT B	Initializ B	A/D	0	0	0
39	NC	No Connection	-	-	-	-
40	Vss	GND	I	0	0	0
41	SYS ID1	Port 1 only for HUB connection equipment distinction	I	5.0	5.0	5.0
42	SYS ID2	Port 2 only for HUB connection equipment distinction	I	5.0	5.0	5.0
43	HUB EVENT	Bluetooth arrival of a message detection	I	0	0	0
44	HUB CNT	HUB connection confirmation demand port	O	4.8	4.8	4.8
45	CD SW1	CD deck DISC detection switch 1	I	4.8	5.1	5.1
46	CD SW2	CD deck DISC detection switch 2	I	5.1	5.1	5.1
47	MOD0	Operating mode input 0	I	5.1	5.1	5.1
48	MOD1	Operating mode input 1	I	5.1	5.1	5.1

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
49	MOD2	Operating mode input 2	I	0	0	0
50	H STANDBY	External standby input	I	5.2	5.0	5.1
51	DC DC CNT	DC/DC control for 60W	O	0	0	0
52	FP MOTOR1	Front open/close control 1	O	4.9	4.9	5
53	FP MOTOR2	Front open/close control 2	O	4.9	4.9	5
54	V CNT1	Panel driving voltage conCirol 1	O	0	0	0
55	REMO 1	Remote control signal input	IN	-	-	-
56	NC	No Connection	-	-	-	-
57	EXT MUTE	TEL/NAVI MUTE input	I	5.1	5	5.1
58	AMP CONT	External AMP control	O	4.9	4.9	5
59	MAIN CNT2	HUB power supply control	O	0	0	0
60	ANT CONT	Motor antenna control	O	4.5	4.5	4.5
61	NC	No Connection	-	-	-	-
62	NC	No Connection	-	-	-	-
63	NC	No Connection	-	-	-	-
64	DIM1 (NC)	No Connection	-	-	-	-
65	DIM2 (NC)	No Connection	-	-	-	-
66	DCDC FRQ20V	Output the 70th DCDC FRQ and opposite	O	4.7	4.7	4.7
67	SRC KEY	SOURCE key interruption	I	5.0	5.0	5.0
68	PANEL IN	Panel detection	I	0	0	0
69	RDS CLK	RDS Clock Input	INT	0	0	0
70	DC/DC FRQ	Frequency switch of power supply circuit DC/DC	O	0	0	0
71	RDS DATA	RDS Data Input	I	0	0	0
72	MAIN CONT	MAIN power supply control output	O	4.9	4.9	5.0
73	INV CONT	INV power supply control output	O	5.0	5.0	5.0
74	AF MUTE	Tr-MUTE control	O/I	5.4	5.4	5.4
75	RESET	Reset input	I	5.0	5.0	5.0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
76	NC	No Connection	-	-	-	-
77	X1A	Sub Clock Output	O	2.2	2.4	2.6
78	X0A	Sub Clock Input	I	2.1	2.0	2.1
79	Vss	GND	I	0	0	0
80	X1	Crystal oscillator input	I	2.0	2.0	2.0
81	X2	Crystal oscillator output	O	2.0	2.0	2.0
82	Vdd	Power supply	I	5.0	5.0	5.1
83	P00	Pldaun port for writing	I	0	0	0
84	P01	Pull-up port for writing	I	5.1	5.1	5.1
85	NC	No Connection	-	-	-	-
86	HB RESET	RESET control of hybrid IC	O	5.0	5.0	5.1
87	NC	No Connection	-	-	-	-
88	ILL SENS	External dimmer control input	I	4.8	4.9	4.9
89	HB AM	Analog mode of H-IC switch control	O	4.8	4.8	0
90	FR DO	EPROM data input	I	1.8	1.6	1.0
91	FR DI	EPROM Communication Data Output	O	0	0	0
92	FR CLK	EPROM Communication CLK	O	0	0	0
93	SUB RESET	Display microcomputer reset control	O	4.9	4.9	5.0
94	DISPM CONT	Power supply control output of display 5V	O/I	0	0	0
95	HB CLK	Clock output to DAC in hybrid IC	O	5.0	5.0	5.0
96	HB DATA	Data I/O to DAC in hybrid IC	O	5.0	5.0	5.0
97	HB CAIN	Hybrid IC GAIN change	O	5.0	5.0	5.0
98	S LED	Security LED control output	O	0	0	0
99	ANT CONT	Motor antenna control	O	4.8	4.8	4.8
100	EP /CS	EPROM Existence Detection	O	4.8	4.8	4.8

10.2. Display Block

IC901 : C2CBKJ000195

Pin No.	Port	Part Name & Description	I/O	(V)
1	NC	Not connected	-	-
2	DCLK SLV4	Slave D-CLK4 (Clock for image data)	I	1.5
3	UART SS4	GND	-	0
4	UART SS3	GND	-	0
5	D DIS	Disable for Anode drive (Disable for image signal)	O	0
6	PADJ IO2	Anode output pulse width adjusting data 2 (Image data)	O	3.8
7	DCLK SLV3	Slave D-CLK 3 (Clock for image data)	I	1.5
8	NC	Not connected	-	-
9	NC	Not connected	-	-
10	NC	Not connected	-	-
11	KS1	Key scan 1	O	0
12	KS2	Key scan 2	O	0
13	KS3	Key scan 3	O	0
14	NC	Not connected	-	-
15	BUS BYTE	GND	-	0
16	CNVSS	CPU rewrite mode/ Single CPU mode selection for Flash writer	I	0
17	IADJ	Anode output current adjusting data (Luminance control)	O	0
18	I CLK	Clock for anode output current adjusting data	O	0
19	RESET	Reset from main CPU	I	4.4
20	X1	Ceramic oscillator clock (8MHz)	O	2.5
21	GND	GND	-	0
22	X0	Ceramic oscillator clock (8MHz)	I	2.2
23	VCC5.0V	Power supply	-	4.6
24	NMI	Pulled up to H	-	4.6
25	Y SYNC	Cathode scan data and Cathode latch control (Vertical sync.)	O	0
26	NC	Not connected	-	-
27	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
28	X SYNC	Clock for Cathode scan; or Latch strobe for Anode output pulse width adjusting data and Anode output current adjusting data	O	0
29	A CLK TA	Anode output pulse width adjusting clock	O	2.7
30	NC	Not connected	-	-
31	NC	Not connected	-	-
32	S DIS	Disable for Cathode drive	O	2.4
33	NC	Not connected	-	-
34	NC	Not connected	-	-
35	NC	Not connected	-	-
36	NC	Not connected	-	-
37	NC	Not connected	-	-
38	PADJ IO1/ TXD	Anode output pulse width adjusting data 0 (Image data); or Serial data for Flash writer	O	1.2
39	VCC5.0V	Power supply	-	3.3
40	RXD	Serial data from Flash writer	I	1.3
41	GND	GND	-	0
42	DCLK MST/ SCLK	Master D-CLK (Clock for image data);or Serial clock from Flash writer	O/I	3.3
43	BUSY	Busy for Flash writer	O	1.5
44	OEL OE	OEL output enable	O	0
45	PADJ IO0	Anode output pulse width adjusting data 0 (Image data)	O	1.8
46	DCLK SLV0	Slave D-CLK 0 (Clock for image data)	I	2.7
47	UART SS0	GND	-	0
48	NC	Not connected	-	-
49	FLASH CE	Chip enable for Flash memory	O	1.7
50	NC	Not connected	-	-
51	NC	Not connected	-	-
52	RY/BY	Pulled up to H	-	3.6
53	NC	Not connected	-	-
54	EPM	Program mode enable for Flash writer	I	2.3
55	NC	Not connected	-	-

Pin No.	Port	Part Name & Description	I/O	(V)
56	NC	Not connected	-	-
57	GND	GND	-	0
58	NC	Not connected	-	-
59	VCC3.3V	Power supply	-	3.6
60	NC	Not connected	-	-
61	NC	Not connected	-	-
62	NC	Not connected	-	-
63	FLASH OE	Output enable for Flash memory	O	3.6
64	NC	Not connected	-	-
65	FLASH WE	Write enable for Flash memory	O	3.6
66	NC	Not connected	-	-
67	NC	Not connected	-	-
68	NC	Not connected	-	-
69	NC	Not connected	-	-
70	FLASH A22	A22 in Address bus	O	0
71	FLASH A21	A21 in Address bus	O	3.6
72	FLASH A20	A20 in Address bus	O	3.6
73	FLASH A19	A19 in Address bus	O	0
74	VCC3.3V	Power supply	-	3.6
75	FLASH A18	A18 in Address bus	O	3.6
76	GND	GND	-	0
77	FLASH A17	A17 in Address bus	O	0
78	FLASH A16	A16 in Address bus	O	2.5
79	FLASH A15	A15 in Address bus	O	0
80	FLASH A14	A14 in Address bus	O	0
81	FLASH A13	A13 in Address bus	O	2.5
82	FLASH A12	A12 in Address bus	O	2.5
83	FLASH A11	A11 in Address bus	O	0
84	FLASH A10	A10 in Address bus	O	0
85	FLASH A9	A9 in Address bus	O	0
86	FLASH WP	Write protect/ Accelaration from Flash memory	O	0
87	NC	Not connected	-	-
88	NC	Not connected	-	-
89	NC	Not connected	-	-
90	NC	Not connected	-	-
91	VDD 3.3V	Power supply	-	3.4
92	FLASH A8	A8 in Address bus	O	0
93	GND	GND	-	0
94	FLASH A7	A7 in Address bus	O	0
95	FLASH A6	A6 in Address bus	O	0
96	FLASH A5	A5 in Address bus	O	0.6
97	FLASH A4	A4 in Address bus	O	3.0
98	FLASH A3	A3 in Address bus	O	1.8

Pin No.	Port	Part Name & Description	I/O	(V)
99	FLASH A2	A2 in Address bus	O	1.8
100	FLASH A1	A1 in Address bus	O	1.8
101	FLASH A0	Not connected	-	-
102	FLASH D15	DQ15 in Data bus	I/O	3.1
103	FLASH D14	DQ14 in Data bus	I/O	0.6
104	FLASH D13	DQ13 in Data bus	I/O	0.4
105	FLASH D12	DQ12 in Data bus	I/O	0.4
106	FLASH D11	DQ11 in Data bus	I/O	0.4
107	FLASH D10	DQ10 in Data bus	I/O	0.4
108	FLASH D9	DQ9 in Data bus	I/O	0.7
109	FLASH D8	DQ8 in Data bus	I/O	1.6
110	FLASH D7	DQ7 in Data bus	I/O	1.7
111	FLASH D6	DQ6 in Data bus	I/O	1.6
112	FLASH D5	DQ5 in Data bus	I/O	1.6
113	FLASH D4	DQ4 in Data bus	I/O	1.6
114	FLASH RESET	Reset for Flash memory	O	3.4
115	NC	Not connected	-	-
116	NC	Not connected	-	-
117	NC	Not connected	-	-
118	NC	Not connected	-	-
119	FLASH D3	DQ3 in Data bus	I/O	0
120	FLASH D2	DQ2 in Data bus	I/O	1.8
121	FLASH D1	DQ1 in Data bus	I/O	2.3
122	FLASH D0	DQ0 in Data bus	I/O	2.2
123	NC	Not connected	-	-
124	NC	Not connected	-	-
125	SUB SI	Serial data from main CPU	I	0
126	SUB SO	Serial data to main CPU	O	0.8
127	ROTARY 1	Volume-up detection from Rotary encoder	I	1.8
128	ROTARY 2	Volume-down detection from Rotary encoder	I	4.5
129	A CLK SCLK	Anode output pulse width adjusting clock	I	2.6
130	GND	GND	-	0
131	A CLK	Anode output pulse width adjusting clock	O	0.7
132	VCC5.0V	Power supply	-	4.5
133	KEY RET4	Key return 4	I	0
134	KEY RET3	Key return 3	I	0
135	KEY RET2	Key return 2	I	0
136	KEY RET1	Key return 1	I	0
137	OEL RESET	Reset for OEL	O	4.5

Pin No.	Port	Part Name & Description	I/O	(V)
138	NC	Not connected	-	-
139	NC	Not connected	-	-
140	AD AVSS	GND	-	0
141	TH DETECT	Thermal detection	I	1.7
142	AD VREF	+5V Power supply	-	4.5
143	AD AVCC	+5V Power supply	-	4.5
144	PADJ IO3	Anode output pulse width adjusting data 3 (Image data)	O	1.2

10.3. CD Servo Block

IC101 : YESAM337

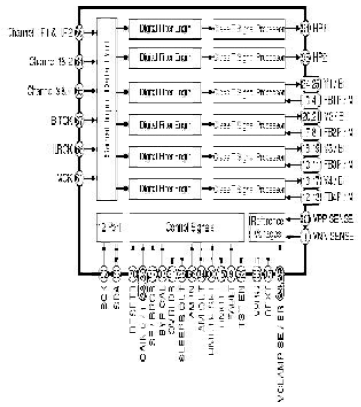
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	Not Connected	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	Not Connected	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	Not Connected	-	-
10	-	Not Connected	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	TXD1	Serial data output	O	3.2
15	RXD1	Serial data input	I	0
16	CLK1	Clock input	I	0
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	Not Connected	-	-
25	-	Not Connected	-	-
26	NMI	-	-	3.2
27	-	Not Connected	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2

Pin No.	Port	Descriptions	I/O	(V)
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	Not Connected	-	-
41	-	Not Connected	-	-
42	-	Not Connected	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46-49	-	Not Connected	-	-
50	-	-	-	3.2
51-58	-	Not Connected	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/ AN0	Reference voltage	I	0.3
61	P51/ AN0	Loading motor detect	I	2.1
62	P52/ AN2	-	-	0
63	P53/ AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

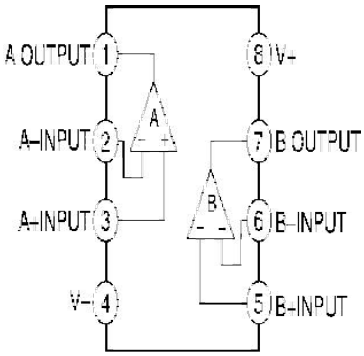
11. IC BLOCK DIAGRAM

11.1. Main Block

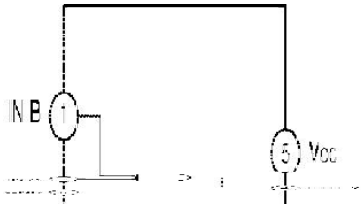
IC1 : C1BB00000917



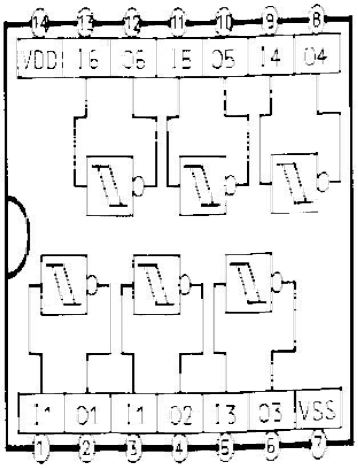
IC201, 202, 301, 302, 401, 402 : C0ABBB000184



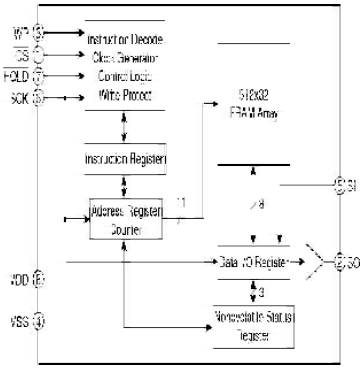
IC501 : C0JBAA000372



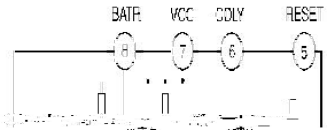
IC551 : C0JBAZ000904



IC602 : C3GBCA000001

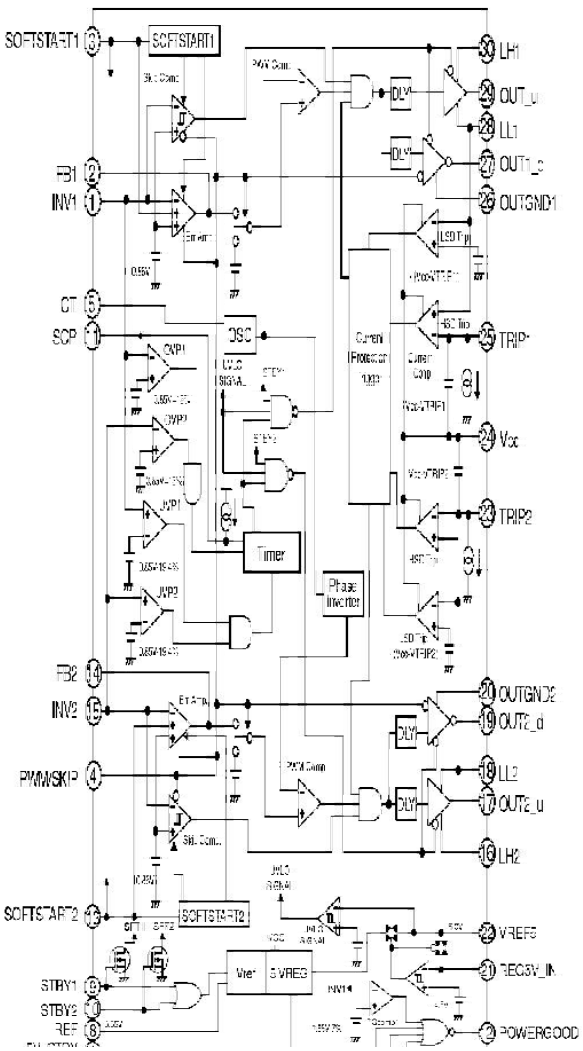


IC651 : AN8065S-E1V



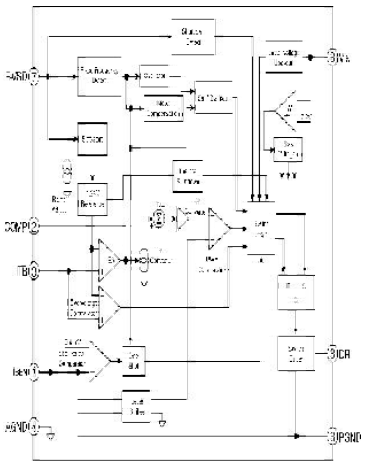
IC701, 712 : C0CBCYG00004

IC702 : C0DBAZG00028

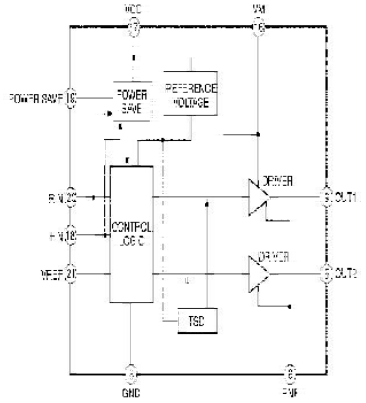


IC704 : C0DAEKG00002

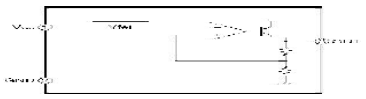
IC780 : C0DBAZG00035



IC791 : C0GBG0000032



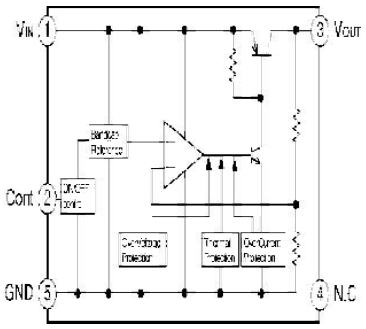
IC802 : C0CBAAG00003



11.2. CD Servo Block

IC401, 403 : YESAM341

IC402 : YESAM342



12. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.
5. **“T” marks in remarks colum are indicated supply parts of PTW.**

Ref. No.	Part No.	Part Name & Description	Remarks
[E3110] Main Block			
IC's AND TRANSISTORs			
IC1	C1BB00000917	IC	T
IC201	C0ABBB000184	IC	T
IC202	C0ABBB000184	IC	T
IC271	C1AA00000744	IC	T
IC301	C0ABBB000184	IC	T
IC302	C0ABBB000184	IC	T
IC401	C0ABBB000184	IC	T
IC402	C0ABBB000184	IC	T
IC501	C0JBAA000372	IC	T
IC551	C0JBAZ000904	IC	T
IC601	C2CBKG000041	IC	T
IC602	C3GBCA000001	IC	T
IC651	AN8065S-E1V	IC	T
IC701	C0CBCYG00004	IC	T
IC702	C0DBAZG00028	IC	T
IC704	C0DAEKG00002	IC	T
IC712	C0CBCYG00004	IC	T
IC780	C0DBAZG00035	IC	T
IC791	C0GBG0000032	IC	T
IC801	C2HBCH000007	IC	T
IC802	C0CBAAG00003	IC	T
PA51	C5ZAZ0000076	Electronic Tuner	T
Q201	B1GBHBEA0004	Transistor	T
Q202	B1GDCFJJ0002	Transistor	T
Q221	B1GBHBEA0004	Transistor	T
Q222	B1GDCFJJ0002	Transistor	T
Q301	B1GBHBEA0004	Transistor	T
Q302	B1GDCFJJ0002	Transistor	T
Q321	B1GBHBEA0004	Transistor	T
Q322	B1GDCFJJ0002	Transistor	T
Q401	B1GBHBEA0004	Transistor	T
Q402	B1GDCFJJ0002	Transistor	T
Q501	B1GBCFJN0004	Transistor	T
Q502	B1GBCFJN0004	Transistor	T
Q503	B1GBCFJN0004	Transistor	T
Q604	B1GBCFJN0004	Transistor	T
Q605	B1GDCFJJ0002	Transistor	T
Q703	B1GBCFJN0004	Transistor	T
Q704	B1GBCFJN0004	Transistor	T
Q705	B1GBNCEJ0003	Transistor	T
Q709	B1BBAC000014	Transistor	T
Q710	B1ABNC000005	Transistor	T
Q711	B1GBCFJN0004	Transistor	T
Q712	B1ABCF000187	Transistor	T
Q713	B1GBNCEJ0003	Transistor	T
Q714	B1MBDDA00003	Transistor	T
Q715	B1BBAC000014	Transistor	T
Q716	B1MBDDA00003	Transistor	T
Q717	B1BBAC000014	Transistor	T
Q718	B1GBNCEJ0003	Transistor	T
Q719	B1GBCFNN0004	Transistor	T
Q720	B1GDCFJN0004	Transistor	T
Q721	B1GBCFJN0004	Transistor	T
Q722	B1ABCF000187	Transistor	T
Q723	B1GDCFJN0004	Transistor	T

[illegible]	[illegible]	[illegible]	[illegible]

Ref. No.	Part No.	Part Name & Description	Remarks
Q724	B1GBCFJN0004	Transistor	T
Q725	B1BBAC000014	Transistor	T
Q780	B1MBDDA00003	Transistor	T
Q781	B1GBHBEA0004	Transistor	T
Q782	B1GDCFJN0004	Transistor	T
Q783	B1GBCFJN0004	Transistor	T
Q791	B1GBCFNN0004	Transistor	T
Q901	B1GDCFJJ0002	Transistor	T
Q902	B1GBCFNN0004	Transistor	T
DIODEs			
D1	MA3X152K0L	Diode	T
D2	YEADUDZS56BT	Diode	T
D3	B0BC4R000006	Diode	T
D271	B0JCME000029	Diode	T
D272	B0JCME000029	Diode	T
D273	B0JCME000029	Diode	T
D274	B0JCME000029	Diode	T
D281	B0JCME000029	Diode	T
D282	B0JCME000029	Diode	T
D283	B0JCME000029	Diode	T
D284	B0JCME000029	Diode	T
D371	B0JCME000029	Diode	T
D372	B0JCME000029	Diode	T
D373	B0JCME000029	Diode	T
D374	B0JCME000029	Diode	T
D381	B0JCME000029	Diode	T
D382	B0JCME000029	Diode	T
D383	B0JCME000029	Diode	T
D384	B0JCME000029	Diode	T
D551	B0JCMC000004	Diode	T
D552	B0JCMC000004	Diode	T
D553	MAZ80510ML	Diode	T
D701	B0BA04700003	Diode	T
D702	MA3X152A0L	Diode	T
D704	B0BC5R7A0062	Diode	T
D705	B0JCNE000003	Diode	T
D707	B0BC9R100001	Diode	T
D708	B0BC017A0059	Diode	T
D710	MA2J72900L	Diode	T
D711	B0BC010A0065	Diode	T
D712	MA2J72900L	Diode	T
D713	B0JCMC000004	Diode	T
D714	MA2J72900L	Diode	T
D715	B0BC5R7A0062	Diode	T
D716	MA2J72900L	Diode	T
D718	B0JCME000012	Diode	T
D720	B0JCME000012	Diode	T
D722	B0JCMC000004	Diode	T
D770	B0ACCK000005	Diode	T
D771	B0ACCK000005	Diode	T
D780	B0JCQD000002	Diode	T
D792	B0BC3R0A0058	Diode	T
D793	B0BC5R000020	Diode	T
D901	YEADUDZS56BT	Diode	T
D902	YEADUDZS56BT	Diode	T

[redacted]	[redacted]	[redacted]	[redacted]

Ref. No.	Part No.	Part Name & Description	Remarks
D903	YEADUDZS56BT	Diode	T
D904	YEADUDZS56BT	Diode	T
D905	YEADUDZS56BT	Diode	T
D906	YEADUDZS56BT	Diode	T
D907	B3AAB0000143	Diode	T
D910	MA3X152D0L	Diode	T
CAPACITORs			
C7	F1H1H101A231	Ceramic, 100PF 50WV	T
C8	F1H1H101A231	Ceramic, 100PF 50WV	T
C9	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C10	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C11	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C12	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C13	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C14	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C15	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C16	F1J1H102A394	Ceramic, 1000PF 50WV	T
C17	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C18	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C19	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C20	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C22	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	T
C23	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	T
C24	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	T
C25	F1H1H101A231	Ceramic, 100PF 50WV	T
C26	F1H1H101A231	Ceramic, 100PF 50WV	T
C27	F1H1H101A231	Ceramic, 100PF 50WV	T
C28	F1H1H101A231	Ceramic, 100PF 50WV	T
C29	F1H1H101A231	Ceramic, 100PF 50WV	T
C30	F1H1H101A231	Ceramic, 100PF 50WV	T
C31	F1J1H102A394	Ceramic, 1000PF 50WV	T
C32	F1H1H102A190	Ceramic, 1000PF 50WV	T
C33	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C34	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C35	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C104	F1J1C1050013	Ceramic, 1 F 16WV	T
C105	F2A1A101A450	Electrolytic, 100 F 10WV	T
C201	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C202	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C203	F1H1H152A201	Ceramic, 1500PF 50WV	T
C204	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C206	F1J1H152A394	Ceramic, 1500PF 50WV	T
C207	F1H1H122A219	Ceramic, 1200PF 50WV	T
C208	F1H1H122A219	Ceramic, 1200PF 50WV	T
C211	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C212	F1H1H470A231	Ceramic, 47PF 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C213	F1J1H470A034	Ceramic, 47PF 50WV	T
C214	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C216	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C217	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C218	F1H1H6810005	Ceramic, 680PF 50WV	T
C219	F1J1H681A672	Ceramic, 680PF 50WV	T
C221	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C222	F1H1H470A231	Ceramic, 47PF 50WV	T
C223	F1H1H470A231	Ceramic, 47PF 50WV	T
C224	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C228	F1H1H6810005	Ceramic, 680PF 50WV	T
C229	F1J1H681A672	Ceramic, 680PF 50WV	T
C252	F2A1E101A575	Electrolytic, 100 μ F 25WV	T
C271	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C272	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C273	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C274	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C275	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C281	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C282	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C283	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C284	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C285	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C291	F1J1H681A672	Ceramic, 680PF 50WV	T
C293	F1J1H681A672	Ceramic, 680PF 50WV	T
C295	F1J1H681A672	Ceramic, 680PF 50WV	T
C297	F1J1H681A672	Ceramic, 680PF 50WV	T
C301	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C303	F1H1H152A201	Ceramic, 1500PF 50WV	T
C304	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C305	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C306	F1J1H152A394	Ceramic, 1500PF 50WV	T
C307	F1H1H122A219	Ceramic, 1200PF 50WV	T
C308	F1H1H122A219	Ceramic, 1200PF 50WV	T
C309	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C310	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C311	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C312	F1H1H470A231	Ceramic, 47PF 50WV	T
C313	F1J1H470A034	Ceramic, 47PF 50WV	T
C314	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C316	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C317	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C318	F1H1H6810005	Ceramic, 680PF 50WV	T
C319	F1J1H681A672	Ceramic, 680PF 50WV	T
C321	F2A1H3R3A501	Electrolytic, 3.3 F 50WV	T
C322	F1H1H470A231	Ceramic, 47PF 50WV	T
C323	F1H1H470A231	Ceramic, 47PF 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C324	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C328	F1H1H6810005	Ceramic, 680PF 50WV	T
C329	F1J1H681A672	Ceramic, 680PF 50WV	T
C371	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C372	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C373	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C374	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C375	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C381	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C382	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	T
C383	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C384	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C385	F1K1H2240002	Ceramic, 0.22 μ F 50WV	T
C391	F1J1H681A672	Ceramic, 680PF 50WV	T
C393	F1J1H681A672	Ceramic, 680PF 50WV	T
C395	F1J1H681A672	Ceramic, 680PF 50WV	T
C397	F1J1H681A672	Ceramic, 680PF 50WV	T
C401	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C402	F1H1H470A231	Ceramic, 47PF 50WV	T
C403	F1J1H470A034	Ceramic, 47PF 50WV	T
C404	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C407	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C408	F1H1H6810005	Ceramic, 680PF 50WV	T
C409	F1H1H6810005	Ceramic, 680PF 50WV	T
C411	F1H1E223A011	Ceramic, 0.022 μ F 25WV	T
C451	F2A1E101A575	Electrolytic, 100 μ F 25WV	T
C452	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C453	F2A1E330A576	Electrolytic, 33 F 25WV	T
C454	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C455	F2A1E330A576	Electrolytic, 33 F 25WV	T
C456	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C457	F2A1E100A577	Electrolytic, 10 F 25WV	T
C458	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C501	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C551	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C552	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C562	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C564	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C566	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C567	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C570	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C572	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C575	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C577	F1H1H103A201	Ceramic, 0.01 F 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C602	F2A0J3310051	Electrolytic, 330 μ F 6.3WV	T
C603	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C604	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C605	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C606	F1J1H220A025	Ceramic, 22PF 50WV	T
C607	F1J1H220A025	Ceramic, 22PF 50WV	T
C608	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C611	F1J1H9R0A008	Ceramic, 9PF 50WV	T
C612	F1J1H120A025	Ceramic, 12PF 50WV	T
C614	F2A1H1R00095	Electrolytic, 1 μ F 50WV	T
C652	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C653	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C654	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C693	F2A1C100A502	Electrolytic, 10 μ F 16WV	T
C700	ECA1CDT222L	Electrolytic, 2200 μ F 16WV	T
C701	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C702	F1J1E1040003	Ceramic, 0.1 μ F 25WV	T
C704	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C705	ECA1EDT222L	Electrolytic, 2200 μ F 25WV	T
C706	F2A1C100A502	Electrolytic, 10 μ F 16WV	T
C707	F2A1E330A576	Electrolytic, 33 μ F 25WV	T
C708	F1J1A2250004	Ceramic, 2.2 μ F 10WV	T
C709	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C710	F2A1C470A630	Electrolytic, 47 μ F 16WV	T
C711	F1J1C334A006	Ceramic, 0.33 F 16WV	T
C712	EEAFC1C560H	Electrolytic, 56 F 16WV	T
C713	F1J1E2240009	Ceramic, 0.22 F 25WV	T
C715	F2A0J101A500	Electrolytic, 100 F 6.3WV	T
C716	F1J1H110A034	Ceramic, 11PF 50WV	T
C717	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C721	F2A0J101A500	Electrolytic, 100 F 6.3WV	T
C722	F1J1A2250004	Ceramic, 2.2 F 10WV	T
C723	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C724	EEAFC1C560H	Electrolytic, 56 F 16WV	T
C725	F1K1C225A026	Ceramic, 2.2 F 16WV	T
C726	F1K0J1060015	Ceramic, 10 F 6.3WV	T
C729	F1K1C225A026	Ceramic, 2.2 F 16WV	T
C731	F1J1C1050013	Ceramic, 1 F 16WV	T
C732	F2A1C1010089	Electrolytic, 100 F 16WV	T
C733	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C734	F1H1H103A201	Ceramic, 0.01 F 50WV	T
C735	F1J1C104A005	Ceramic, 0.1 F 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C736	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	T
C737	F1J1C1050013	Ceramic, 1 μ F 16WV	T
C738	F1J1H472A675	Ceramic, 4700PF 50WV	T
C739	F1H1E123A011	Ceramic, 0.012 μ F 25WV	T
C740	F1H1H222A190	Ceramic, 2200PF 50WV	T
C742	F1H1C393A005	Ceramic, 0.039 μ F 16WV	T
C743	F1J1E2240009	Ceramic, 0.22 μ F 25WV	T
C744	F1J1E334A009	Ceramic, 0.33 μ F 25WV	T
C745	EEAFC1C560H	Electrolytic, 56 μ F 16WV	T
C746	F1J1C334A104	Ceramic, 0.33 μ F 16WV	T
C747	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C748	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C749	F2A0J101A500	Electrolytic, 100 μ F 6.3WV	T
C750	F2A1A101A450	Electrolytic, 100 μ F 10WV	T
C751	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C752	F1J1H103A513	Ceramic, 0.01 μ F 50WV	T
C753	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C754	F1J1C224A006	Ceramic, 0.22 μ F 16WV	T
C755	F1H1H330A231	Ceramic, 33PF 50WV	T
C756	ECA1CDT222U	Electrolytic, 2200 μ F 16WV	T
C757	F1H1C393A005	Ceramic, 0.039 μ F 16WV	T
C758	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	T
C759	F2A1H1R00095	Electrolytic, 1 μ F 50WV	T
C760	F1H1H182A190	Ceramic, 1800PF 50WV	T
C761	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C762	ECA1CDT222L	Electrolytic, 2200 F 16WV	T
C763	F1J1H392A675	Ceramic, 3900PF 50WV	T
C764	EEFCD0J470R	Electrolytic, 47 F 6.3WV	T
C765	EEFCD0J470R	Electrolytic, 47 F 6.3WV	T
C766	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C767	F1K1E334A022	Ceramic, 0.33 F 25WV	T
C769	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C770	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C771	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C772	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C773	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C774	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C775	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C776	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C777	F1J1H1040014	Ceramic, 0.1 F 50WV	T
C778	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C779	F1J1H1040014	Ceramic, 0.1 F 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C780	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C781	F1H1E223A011	Ceramic, 0.022 μ F 25WV	T
C782	F1H1H101A020	Ceramic, 100PF 50WV	T
C784	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C785	EEAFC1C560H	Electrolytic, 56 μ F 16WV	T
C786	EEEFK1E221P	Electrolytic, 220mF 25WV	T
C787	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C790	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C791	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C792	F2A1C1010089	Electrolytic, 100 μ F 16WV	T
C793	F1J1C104A005	Ceramic, 0.1 μ F 16WV	T
C794	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C795	F2A1H3R3A501	Electrolytic, 3.3 μ F 50WV	T
C796	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C797	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C798	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C805	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C806	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C809	F1J1E1050004	Ceramic, 1 μ F 25WV	T
C810	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C811	F1J1E1050004	Ceramic, 1 μ F 25WV	T
C812	F1J1E1050004	Ceramic, 1 μ F 25WV	T
C813	F1H1H104A783	Ceramic, 0.1 μ F 50WV	T
C815	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	T
C817	F2A1A100A522	Electrolytic, 10 F 10WV	T
C818	EEAFC0J560H	Electrolytic, 56 F 6.3WV	T
C819	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C820	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C824	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C825	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C831	ECA0JM102	Electrolytic, 1000 F 6.3WV	T
C832	F1J1H1020024	Ceramic, 1000PF 50WV	T
C833	F1J1H1020024	Ceramic, 1000PF 50WV	T
C834	F1J1C104A005	Ceramic, 0.1 F 16WV	T
C835	F1J1H181A672	Ceramic, 180PF 50WV	T
C837	F1H1H120A231	Ceramic, 12PF 50WV	T
C838	F1H1H120A231	Ceramic, 12PF 50WV	T
C839	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C840	F1J1H181A672	Ceramic, 180PF 50WV	T
C841	F1H1H104A783	Ceramic, 0.1 F 50WV	T
C842	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C843	F2A0J470A558	Electrolytic, 47 F 6.3WV	T
C844	F1H1H104A783	Ceramic, 0.1 F 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C845	F1H1H104A783	Ceramic, 0.1 μF 50WV	T
C847	F1H1H104A783	Ceramic, 0.1 μF 50WV	T
C849	F1H1H104A783	Ceramic, 0.1 μF 50WV	T
C850	F1H1H104A783	Ceramic, 0.1 μF 50WV	T
C851	F1J1C104A005	Ceramic, 0.1 μF 16WV	T
C852	F1J1C104A005	Ceramic, 0.1 μF 16WV	T
C853	F1J1E1050004	Ceramic, 1 μF 25WV	T
C854	F2A0J470A558	Electrolytic, 47 μF 6.3WV	T
C856	F2A0J101A500	Electrolytic, 100 μF 6.3WV	T
C865	F1H1H103A201	Ceramic, 0.01 μF 50WV	T
C866	F1H1H103A201	Ceramic, 0.01 μF 50WV	T
C902	F1J1E1040003	Ceramic, 0.1 μF 25WV	T
C903	F2A1C470A630	Electrolytic, 47 μF 16WV	T
C907	F1H1H103A201	Ceramic, 0.01 μF 50WV	T
C908	F1H1H103A201	Ceramic, 0.01 μF 50WV	T
C909	F2A1E101A575	Electrolytic, 100 μF 25WV	T
RESISTORs			
FB802	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
FB808	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
FB809	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R1	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R3	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R5	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	T
R6	ERJ6GEYJ512V	Chip, 5.1k 1/10W	T
R9	ERJ6ENF1002V	Chip, 10k 1/10W	T
R10	ERJ6GEYJ102V	Chip, 1k 1/10W	T
R12	ERJ6GEYJ822V	Chip, 8.2k 1/10W	T
R13	ERJ6GEYJ303V	Chip, 30k 1/10W	T
R15	ERJ6GEYJ473V	Chip, 47k 1/10W	T
R18	ERJ3GEYJ153V	Chip, 15k 1/16W	T
R21	ERJ3EKF9101V	Carbon, 9.1k 1/16W	T
R27	ERJ3EKF1101V	Carbon, 1.1k 1/16W	T
R28	ERJ3EKF9101V	Carbon, 9.1k 1/16W	T
R29	ERJ3EKF1101V	Carbon, 1.1k 1/16W	T
R37	ERJ3GEYJ220V	Chip, 22 1/16W	T
R38	ERJ3GEYJ220V	Chip, 22 1/16W	T
R39	ERJ3GEYJ220V	Chip, 22 1/16W	T
R40	ERJ3GEYJ220V	Chip, 22 1/16W	T
R41	ERJ3GEYJ220V	Chip, 22 1/16W	T
R42	ERJ3EKF9101V	Carbon, 9.1k 1/16W	T
R43	ERJ3EKF9101V	Carbon, 9.1k 1/16W	T
R44	ERJ3EKF1101V	Carbon, 1.1k 1/16W	T
R45	ERJ3EKF1101V	Carbon, 1.1k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R46	ERJ3EKF9101V	Carbon, 9.1k Ω 1/16W	T
R47	ERJ3EKF1101V	Carbon, 1.1k Ω 1/16W	T
R48	ERJ3EKF9101V	Carbon, 9.1k Ω 1/16W	T
R49	ERJ3EKF1101V	Carbon, 1.1k Ω 1/16W	T
R50	ERJ3EKF9101V	Carbon, 9.1k Ω 1/16W	T
R51	ERJ3EKF1101V	Carbon, 1.1k Ω 1/16W	T
R52	ERJ3EKF9101V	Carbon, 9.1k Ω 1/16W	T
R53	ERJ3EKF1101V	Carbon, 1.1k Ω 1/16W	T
R54	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R55	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R56	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R57	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R58	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R59	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R60	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R61	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R62	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R63	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R65	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	T
R66	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	T
R67	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	T
R68	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R69	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R70	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R71	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R72	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R73	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R74	ERJ3GEYJ220V	Chip, 22 1/16W	T
R75	ERJ3GEYJ220V	Chip, 22 1/16W	T
R76	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R101	ERJ6GEY0R00V	Chip, 0 1/10W	T
R106	ERJ6GEY0R00V	Chip, 0 1/10W	T
R107	ERJ6GEY0R00V	Chip, 0 1/10W	T
R201	ERJ6GEYJ822V	Chip, 8.2k 1/10W	T
R202	ERJ3GEYJ392V	Chip, 3.9k 1/16W	T
R204	ERJ6GEYJ822V	Chip, 8.2k 1/10W	T
R205	ERJ6GEYJ392V	Chip, 3.9k 1/10W	T
R206	ERJ3GEYJ562V	Chip, 5.6k 1/16W	T
R207	ERJ3GEYJ562V	Chip, 5.6k 1/16W	T
R208	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R209	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R210	ERJ8GX0R00V	Chip, 0 1/8W	T
R211	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R212	ERJ3GEYJ682V	Chip, 6.8k 1/16W	T
R213	ERJ6GEYJ123V	Chip, 12k 1/10W	T
R216	ERJ6GEYJ243V	Chip, 24k 1/10W	T
R217	ERJ6GEYJ113V	Chip, 11k 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R218	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	T
R219	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R221	ERJ6GEYJ223V	Chip, 22k Ω 1/10W	T
R222	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	T
R223	ERJ6GEYJ123V	Chip, 12k Ω 1/10W	T
R224	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R225	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R226	ERJ3GEYJ243V	Chip, 24k Ω 1/16W	T
R227	ERJ6GEYJ113V	Chip, 11k Ω 1/10W	T
R228	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	T
R229	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R230	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R271	ERJ1TYJ100U	Metal, 10 Ω 1W	T
R272	ERJ1TYJ100U	Metal, 10 Ω 1W	T
R281	ERJ1TYJ100U	Metal, 10 Ω 1W	T
R282	ERJ1TYJ100U	Metal, 10 Ω 1W	T
R291	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R293	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R295	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R297	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R301	ERJ6GEYJ822V	Chip, 8.2k Ω 1/10W	T
R302	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	T
R304	ERJ6GEYJ822V	Chip, 8.2k Ω 1/10W	T
R305	ERJ6GEYJ392V	Chip, 3.9k Ω 1/10W	T
R306	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R307	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R308	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R309	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R311	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R312	ERJ3GEYJ682V	Chip, 6.8k 1/16W	T
R313	ERJ6GEYJ123V	Chip, 12k 1/10W	T
R316	ERJ6GEYJ243V	Chip, 24k 1/10W	T
R317	ERJ6GEYJ113V	Chip, 11k 1/10W	T
R318	ERJ3GEYJ560V	Chip, 56 1/16W	T
R319	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R321	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R322	ERJ3GEYJ682V	Chip, 6.8k 1/16W	T
R323	ERJ6GEYJ123V	Chip, 12k 1/10W	T
R324	ERJ3GEYJ562V	Chip, 5.6k 1/16W	T
R325	ERJ3GEYJ562V	Chip, 5.6k 1/16W	T
R326	ERJ3GEYJ243V	Chip, 24k 1/16W	T
R327	ERJ6GEYJ113V	Chip, 11k 1/10W	T
R328	ERJ3GEYJ560V	Chip, 56 1/16W	T
R329	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R371	ERJ1TYJ100U	Metal, 10 1W	T
R372	ERJ1TYJ100U	Metal, 10 1W	T
R381	ERJ1TYJ100U	Metal, 10 1W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R382	ERJ1TYJ100U	Metal, 10 Ω 1W	T
R391	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R393	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R395	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R397	ERJ8GEYJ100V	Chip, 10 Ω 1/8W	T
R401	ERJ6GEYJ223V	Chip, 22k Ω 1/10W	T
R402	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	T
R403	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	T
R406	ERJ6GEYJ243V	Chip, 24k Ω 1/10W	T
R407	ERJ6GEYJ113V	Chip, 11k Ω 1/10W	T
R408	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	T
R409	ERJ6GEYJ223V	Chip, 22k Ω 1/10W	T
R411	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R412	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R413	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	T
R451	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R452	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R453	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R454	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R455	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R456	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R457	ERJ6GEYJ1R0V	Chip, 1 Ω 1/10W	T
R458	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R501	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R502	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R503	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R504	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R505	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R549	ERJ6GEYJ561V	Chip, 560 1/10W	T
R550	ERJ6GEYJ561V	Chip, 560 1/10W	T
R551	ERJ6GEYJ104V	Chip, 100k 1/10W	T
R552	ERJ6GEYJ104V	Chip, 100k 1/10W	T
R553	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R554	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R555	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R556	ERJ6GEYJ561V	Chip, 560 1/10W	T
R557	ERJ6GEYJ102V	Chip, 1k 1/10W	T
R558	ERJ6GEYJ104V	Chip, 100k 1/10W	T
R560	ERJ6GEYJ561V	Chip, 560 1/10W	T
R561	ERJ6GEYJ102V	Chip, 1k 1/10W	T
R562	ERJ6GEYJ561V	Chip, 560 1/10W	T
R563	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R564	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R565	ERJ3GEYJ561V	Chip, 560 1/16W	T
R566	ERJ6GEYJ561V	Chip, 560 1/10W	T
R567	ERJ3GEYJ561V	Chip, 560 1/16W	T
R568	ERJ6GEY0R00V	Chip, 0 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R603	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R604	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R605	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	T
R606	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	T
R607	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R608	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R609	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	T
R610	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	T
R611	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	T
R612	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R613	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R614	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R617	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R618	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R619	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R620	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	T
R622	ERJ6GEYJ272V	Chip, 2.7k Ω 1/10W	T
R623	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R624	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R625	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R626	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R628	ERJ6GEYJ472V	Chip, 4.7k Ω 1/10W	T
R629	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R630	ERJ6GEYJ272V	Chip, 2.7k Ω 1/10W	T
R631	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R632	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R633	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R634	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R635	ERJ3GEYJ272V	Chip, 2.7k 1/16W	T
R636	ERJ3GEYJ272V	Chip, 2.7k 1/16W	T
R637	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R638	ERJ6GEYJ473V	Chip, 47k 1/10W	T
R639	ERJ3GEYJ104V	Chip, 100k 1/16W	T
R640	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R641	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R642	ERJ3GEYJ393V	Chip, 39k 1/16W	T
R643	ERJ6GEYJ104V	Chip, 100k 1/10W	T
R644	ERJ6GEYJ102V	Chip, 1k 1/10W	T
R645	ERJ6GEYJ272V	Chip, 2.7k 1/10W	T
R646	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R647	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R648	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R650	ERJ3GEYJ684V	Chip, 680k 1/16W	T
R651	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R652	ERJ3GEYJ333V	Chip, 33k 1/16W	T
R653	ERJ3GEYJ224V	Chip, 220k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R654	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	T
R655	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R656	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R657	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R691	ERJ6GEYJ332V	Chip, 3.3k Ω 1/10W	T
R692	ERJ6GEYJ104V	Chip, 100k Ω 1/10W	T
R702	ERJ6GEYJ433V	Chip, 43k Ω 1/10W	T
R704	ERJ6GEYJ224V	Chip, 220k Ω 1/10W	T
R705	ERJ6GEYJ471V	Chip, 470 Ω 1/10W	T
R706	ERJ6GEYJ472V	Chip, 4.7k Ω 1/10W	T
R707	ERJ6GEYJ473V	Chip, 47k Ω 1/10W	T
R710	ERJ6ENF2201V	Chip, 2.2k Ω 1/10W	T
R711	ERJ6ENF8201V	Chip, 8.2k Ω 1/10W	T
R712	ERJ6GEYJ4R7V	Chip, 4.7 Ω 1/10W	T
R713	ERJ6ENF2701V	Chip, 2.7k Ω 1/10W	T
R714	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R715	ERJ6GEYJ222V	Chip, 2.2k Ω 1/10W	T
R716	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R717	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R718	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	T
R719	ERJ6ENF3301V	Chip, 3.3k Ω 1/10W	T
R720	ERJ6GEYJ100V	Chip, 10 Ω 1/10W	T
R721	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R722	ERJ6ENF5601V	Chip, 5.6k Ω 1/10W	T
R724	ERJ6ENF3901V	Chip, 3.9k Ω 1/10W	T
R725	ERJ6ENF1802V	Chip, 18k Ω 1/10W	T
R726	ERJ6GEYJ152V	Chip, 1.5k Ω 1/10W	T
R727	ERJ6GEYJ4R7V	Chip, 4.7 1/10W	T
R729	ERJ3GEYJ100V	Chip, 10 1/16W	T
R730	ERJ6GEY0R00V	Chip, 0 1/10W	T
R731	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R732	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R733	ERJ3GEY0R00V	Chip, 0 1/16W	T
R734	ERJ8GX0R00V	Chip, 0 1/8W	T
R735	ERJ6ENF3302V	Chip, 33k 1/10W	T
R736	ERJ6ENF2001V	Chip, 2k 1/10W	T
R737	ERJ6ENF1002V	Chip, 10k 1/10W	T
R738	ERJ6ENF8201V	Chip, 8.2k 1/10W	T
R740	ERJ6GEY0R00V	Chip, 0 1/10W	T
R741	ERJ6ENF1002V	Chip, 10k 1/10W	T
R742	ERJ6ENF2703V	Chip, 270k 1/10W	T
R743	ERJ6ENF2001V	Chip, 2k 1/10W	T
R744	ERJ6GEYJ100V	Chip, 10 1/10W	T
R746	ERJ6GEYJ100V	Chip, 10 1/10W	T
R748	ERJ6ENF1503V	Chip, 150k 1/10W	T
R750	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R754	ERJ6GEYJ472V	Chip, 4.7k 1/10W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R755	ERJ6GEYJ223V	Chip, 22k Ω 1/10W	T
R756	ERJ6GEYJ223V	Chip, 22k Ω 1/10W	T
R758	ERJ6ENF2201V	Chip, 2.2k Ω 1/10W	T
R759	ERJ8GX0R00V	Chip, 0 Ω 1/8W	T
R760	ERJ6GEYJ1R0V	Chip, 1 Ω 1/10W	T
R761	ERJ6GEYJ821V	Chip, 820 Ω 1/10W	T
R762	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R764	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R765	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R766	ERJ6GEYJ1R0V	Chip, 1 Ω 1/10W	T
R767	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R768	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R781	ERJ6GEYJ152V	Chip, 1.5k Ω 1/10W	T
R782	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R783	ERJ3EKF9101V	Carbon, 9.1k Ω 1/16W	T
R784	ERJ6ENF1303V	Chip, 130k Ω 1/10W	T
R785	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	T
R786	ERJ6GEYJ220V	Chip, 22 Ω 1/10W	T
R787	ERJL12KJ50MU	Carbon Film, 0.05 1/2W	T
R789	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R790	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R791	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R792	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R793	ERJ12YJ3R9H	Chip, 3.9 Ω 1/2W	T
R794	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	T
R797	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	T
R799	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	T
R801	ERJ6GEYJ180V	Chip, 18 1/10W	T
R802	ERJ3GEYJ223V	Chip, 22k 1/16W	T
R803	ERJ3GEYJ223V	Chip, 22k 1/16W	T
R804	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R805	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R806	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R807	ERJ6GEYJ223V	Chip, 22k 1/10W	T
R813	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R816	ERJ3GEYJ101V	Chip, 100 1/16W	T
R817	ERJ3GEYJ101V	Chip, 100 1/16W	T
R818	ERJ3GEYJ330V	Chip, 33 1/16W	T
R819	ERJ3GEYJ330V	Chip, 33 1/16W	T
R820	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R821	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R826	ERJ3GEYJ330V	Chip, 33 1/16W	T
R828	ERJ3GEYJ331V	Chip, 330 1/16W	T
R829	ERJ3GEYJ331V	Chip, 330 1/16W	T
R833	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R834	ERJ6GEYJ103V	Chip, 10k 1/10W	T
R835	ERJ3GEYJ473V	Chip, 47k 1/16W	T

Ref. No.	Part No.	Part Name & Description	Remarks
R836	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R837	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R838	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R842	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	T
R843	ERJ6GEYJ101V	Chip, 100 Ω 1/10W	T
R844	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R845	ERJ6GEYJ103V	Chip, 10k Ω 1/10W	T
R859	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R865	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R866	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R867	ERJ6GEYJ220V	Chip, 22 Ω 1/10W	T
R901	ERJ6GEYJ821V	Chip, 820 Ω 1/10W	T
R902	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R903	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R904	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R905	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R906	ERJ6GEYJ561V	Chip, 560 Ω 1/10W	T
R907	ERJ6GEYJ104V	Chip, 100k Ω 1/10W	T
R908	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R909	ERJ6GEYJ102V	Chip, 1k Ω 1/10W	T
R910	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R911	ERJ8GX0R00V	Chip, 0 Ω 1/8W	T
R912	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R913	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R914	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R915	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R931	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	T
R936	ERJ3GEYJ102V	Chip, 1k 1/16W	T
CONNECTORs			
CN201	K2KF29Z00039	Plug	T
CN202	K2KF29Z00040	Plug	T
CN203	K2KF29Z00036	Plug	T
CN252	K2KF29Z00033	Plug	T
CN501	K1MN18A00066	Connector, 18P	T
CN552	K1AA113B0002	Connector, 13P	T
CN601	K1KB08AA0201	Connector, 8P	T
CN701	K1FA116B0028	Connector, 16P	T
CN791	K1KA02A00066	Connector, 2P	T
CN901	K1MN16BA0111	Connector, 16P	T
COILs			
FB1	J0JBC0000073	Coil	T
FB2	J0JBC0000073	Coil	T
FB3	J0JBC0000073	Coil	T
FB102	J0JBC0000073	Coil	T
FB211	J0JBC0000073	Coil	T
FB221	J0JBC0000073	Coil	T
FB251	J0JBC0000073	Coil	T

Ref. No.	Part No.	Part Name & Description	Remarks
FB261	J0JBC0000073	Coil	T
FB311	J0JBC0000073	Coil	T
FB321	J0JBC0000073	Coil	T
FB351	J0JBC0000073	Coil	T
FB361	J0JBC0000073	Coil	T
FB401	J0JBC0000073	Coil	T
FB601	J0JBC0000073	Coil	T
FB602	J0JBC0000073	Coil	T
FB603	J0JBC0000073	Coil	T
FB702	J0JJC0000003	Coil	T
FB703	J0JJC0000003	Coil	T
FB705	J0JJC0000003	Coil	T
FB706	J0JJC0000003	Coil	T
FB707	J0JJC0000003	Coil	T
FB710	J0JBC0000073	Coil	T
FB801	J0JBC0000073	Coil	T
FB803	J0JBC0000073	Coil	T
FB804	J0JCC0000090	Coil	T
FB805	J0JBC0000073	Coil	T
FB806	J0JBC0000073	Coil	T
FB807	J0JBC0000073	Coil	T
FB810	J0JBC0000073	Coil	T
FB811	J0JBC0000073	Coil	T
FB812	J0JBC0000073	Coil	T
FB813	J0JBC0000073	Coil	T
FB814	J0JBC0000073	Coil	T
FB815	J0JBC0000073	Coil	T
FB816	J0JBC0000073	Coil	T
FB817	J0JBC0000073	Coil	T
FB818	J0JBC0000073	Coil	T
FB819	J0JBC0000073	Coil	T
FB820	J0JBC0000073	Coil	T
FB821	J0JBC0000073	Coil	T
FB822	J0JBC0000073	Coil	T
FB823	J0JBC0000073	Coil	T
FB824	J0JBC0000073	Coil	T
L271	G1B6R3L00003	Coil	T
L281	G1B6R3L00003	Coil	T
L371	G1B6R3L00003	Coil	T
L381	G1B6R3L00003	Coil	T
L701	J0JKA0000003	Coil	T
L702	G0A201J00001	Coil	T
L704	G1C330MA0106	Coil	T
L705	G1C330MA0106	Coil	T
L706	G1C220JA0036	Coil	T
L707	G1C330MA0106	Coil	T
L763	G1CR56JA0036	Coil	T
L780	G1C101MA0182	Coil	T
L805	J0JGC0000018	Coil	T
L806	J0JGC0000018	Coil	T
L902	G1C470MA0164	Coil	T
SWITCHes			
SW601	K0L1BA000099	Switch	T
SW602	K0L1BA000104	Switch	T

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
XL601	H0D368400015	Crystal Oscillator	T
XL602	H0J327200161	Crystal Oscillator	T
XL801	H0J416500005	Crystal Oscillator	T
LAMPs			
Z101	J0LD00000002	Lamp	T
THERMISTORs			
PT701	D4DA74R70003	Thermistor	T
[E9441] DC-DC Block			
IC's AND TRANSISTORs			
IC1	C5HAAKH00001	IC	T
IC2	C0EBB0000181	IC	T
DIODEs			
D1	MA3X152K0L	Diode	T
CAPACITORs			
C1	EEUFK1C392S	Electrolytic, 3900 μF 16WV	T
C2	EEUFK1E332	Electrolytic, 3300 μF 25WV	T
C3	ECA1HHG3R3I	Electrolytic, 3.3 μF 50WV	T
C5	ECA1HHG2R2I	Electrolytic, 2.2 μF 50WV	T
C6	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C8	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C9	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C10	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C11	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C12	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C13	F1J1E1040003	Ceramic, 0.1 F 25WV	T
C14	F1J1H103A513	Ceramic, 0.01 F 50WV	T
C15	F1J1H103A513	Ceramic, 0.01 F 50WV	T
RESISTORs			
R1	ERJ6GEYJ224V	Chip, 220k 1/10W	T
R2	ERJ6GEYJ562V	Chip, 5.6k 1/10W	T
R3	ERJ6GEYJ473V	Chip, 47k 1/10W	T
R4	ERJ6GEYJ560V	Chip, 56 1/10W	T
R7	ERJ6GEY0R00V	Chip, 0 1/10W	T
COILs			

Ref. No.	Part No.	Part Name & Description	Remarks
L1	G0A100M00004	Coil	T
L2	J0JKB0000005	Coil	T
L3	J0JKB0000005	Coil	T
L4	J0JKB0000005	Coil	T
L5	G1C330JA0036	Coil	T
[E9781] Display Block			
IC's AND TRANSISTORs			
IC901	C2CBKJ000195	IC	T
IC902	C3FBPZ000001	IC	T
DIODEs			
D901	YEADUDZS56BT	Diode	T
D902	YEADUDZS56BT	Diode	T
D903	YEADUDZS56BT	Diode	T
D904	YEADUDZS56BT	Diode	T
D905	B3AEB0000083	Diode	T
D906	MAZ81800ML	Diode	T
D907	YEADUDZS56BT	Diode	T
D908	B0BC4R000006	Diode	T
D909	YEADUDZS56BT	Diode	T
D910	B3AEB0000083	Diode	T
D911	B3AEB0000083	Diode	T
D912	YEADUDZS56BT	Diode	T
D913	B3AEB0000083	Diode	T
D914	B3AEB0000083	Diode	T
D915	B3AEB0000083	Diode	T
D916	B3AEB0000083	Diode	T
D917	B3AEB0000083	Diode	T
D918	B3AEB0000083	Diode	T
D919	B3AEB0000083	Diode	T
D920	B3AEB0000083	Diode	T
D921	B3AEB0000083	Diode	T
D923	YEADUDZS56BT	Diode	T
D924	YEADUDZS56BT	Diode	T
D925	YEADUDZS56BT	Diode	T
D926	YEADUDZS56BT	Diode	T
D927	YEADUDZS56BT	Diode	T
D928	YEADUDZS56BT	Diode	T
D929	YEADUDZS56BT	Diode	T
D930	YEADUDZS56BT	Diode	T
D931	MA2J72900L	Diode	T
D932	MA2J72900L	Diode	T
IC903	B3RAB0000054	Diode	T
CAPACITORs			
C901	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C902	ECJ2FB1E475M	Ceramic, 4.7 F 25WV	T
C903	F1J1H102A672	Ceramic, 1000PF 50WV	T
C904	F1H1C104A005	Ceramic, 0.1 F 16WV	T
C905	F1H1H101A231	Ceramic, 100PF 50WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C906	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C907	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C908	F1H1H103A201	Ceramic, 0.01 μ F 50WV	T
C909	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C910	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C911	F1H1H101A231	Ceramic, 100PF 50WV	T
C912	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C913	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C914	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C915	F1H1H101A231	Ceramic, 100PF 50WV	T
C916	F1H1H101A231	Ceramic, 100PF 50WV	T
C917	F1J1C1050029	Ceramic, 1 μ F 16WV	T
C918	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C919	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C920	ECJ2FB1E475M	Ceramic, 4.7 μ F 25WV	T
C921	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C922	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C923	F1K1A106A008	Ceramic, 10 μ F 10WV	T
C924	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C925	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C926	F1K1A106A008	Ceramic, 10 μ F 10WV	T
C927	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C928	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
C929	F1H1C104A005	Ceramic, 0.1 μ F 16WV	T
RESISTORs			
R901	ERJ8GEY0R00V	Chip, 0 1/8W	T
R902	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R903	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R904	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R905	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R906	ERJ3GEYJ101V	Chip, 100 1/16W	T
R907	ERJ3GEYJ821V	Chip, 820 1/16W	T
R908	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R909	ERJ3GEYJ101V	Chip, 100 1/16W	T
R910	ERJ3GEYJ102V	Chip, 1k 1/16W	T
R911	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R912	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R913	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R914	ERJ3GEYJ333V	Chip, 33k 1/16W	T
R916	ERJ3GEYJ103V	Chip, 10k 1/16W	T
R917	ERJ3GEYJ271V	Chip, 270 1/16W	T
R918	ERJ3GEYJ271V	Chip, 270 1/16W	T
R919	ERJ3GEYJ271V	Chip, 270 1/16W	T

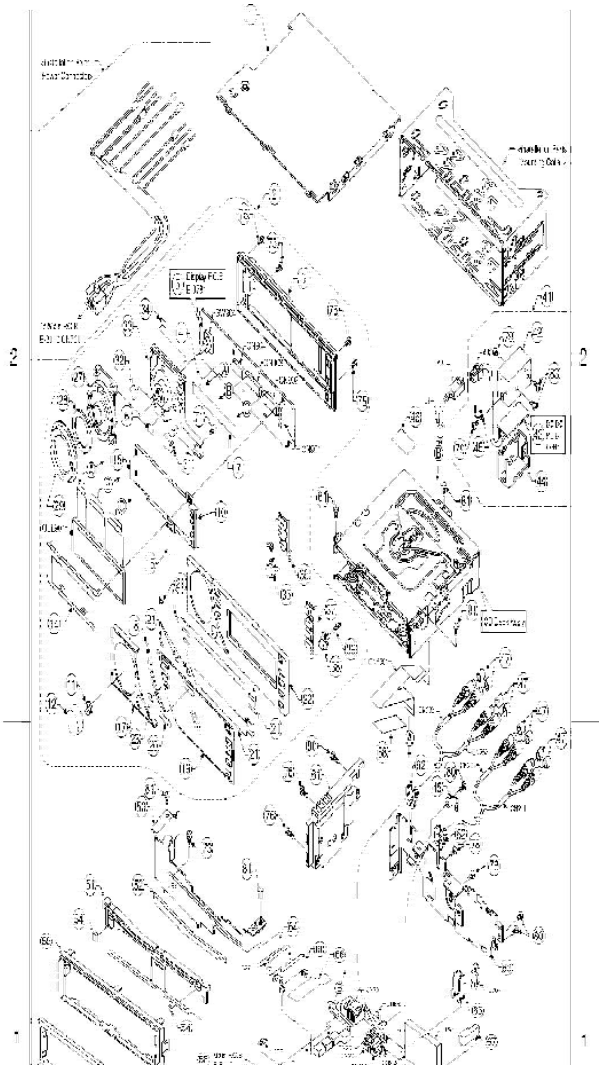
Ref. No.	Part No.	Part Name & Description	Remarks
R920	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	T
R921	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	T
R922	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R923	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R924	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	T
R925	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R926	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R927	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R928	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R929	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R930	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	T
R931	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R932	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R933	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	T
R934	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R936	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	T
R939	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R940	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	T
R941	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R942	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	T
R943	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	T
R944	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	T
R945	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	T
R949	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	T
R950	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R951	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	T
R952	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	T
R953	ERJ3GEYJ561V	Chip, 560 1/16W	T
R956	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R957	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R958	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R959	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R960	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R961	ERJ3GEYJ473V	Chip, 47k 1/16W	T
R962	ERJ3GEYJ223V	Chip, 22k 1/16W	T
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16p	T
CN902	K1MN34BA0109	Connector, 34p	T
CN903	K1MN34BA0109	Connector, 34p	T
CN904	K1MN19BA0110	Connector, 19p	T
COILs			
FL1	J0JCC0000118	Coil	T
SWITCHes			
SW901	K0H1BA000445	Switch	T

Ref. No.	Part No.	Part Name & Description	Remarks
SW902	K0H1BA000445	Switch	T
SW903	K0H1BA000445	Switch	T
SW904	K9AA024A0013	Switch	T
SW905	K0H1BA000445	Switch	T
SW906	K0H1BA000445	Switch	T
SW907	K0H1BA000445	Switch	T
SW908	K0H1BA000445	Switch	T
SW909	K0H1BA000445	Switch	T
SW910	K0H1BA000445	Switch	T
SW911	K0H1BA000445	Switch	T
SW912	K0H1BA000445	Switch	T
SW913	K0H1BA000445	Switch	T
CRYSTALs			
X1	H2D800400017	Ceramic Oscillator	T
NETWORK RESISTORs			
RA901	D1H847340001	Network Resistor	T
RA902	D1H822140004	Network Resistor	T
RA903	D1H822140004	Network Resistor	T
RA904	D1H822140004	Network Resistor	T
RA905	D1H822140004	Network Resistor	T
THERMISTORs			
TH901	D4CC14730002	Thermistor	T
Accessories			
PRINTINGs			
	YEFM285768A	Operating Instructions	T
	YEFM262696A	System Upgrade Guidebook	T
	YEFM294134A	Installation Instructions	T
INSTALLATION PARTs			
	EUR7641010	Remote Control Unit (including a battery)	T
	CR2025/1F	Lithium Battery	T,
	YGAJ021011	Power Connector	T
	YEFX0217314	Mounting Collar	T
	YEFC051013	Trim Plate	T
	YEP0FZ5739	Accessory Kit (Lock Chancel Plate, Mounting Bolt, Tapping Screw, Hex.Nut)	T
	YEFG04026	Rear Support Strap	T
	YEFA134145	Removable Face Plate Case	T
Mechanical Parts			
MISCELLANEOUS			
ANT101	YEAA10090	Antenna Receptacle	T
AJ1	YEAJ02895	Power Cord w/Plug	T
AJ2	YEAJ02896	Power Cord w/Plug	T

Ref. No.	Part No.	Part Name & Description	Remarks
AP2	YGAP2985	Flexible PCB	T
AT1-3	K4ZZ01000048	Terminal	T
CN1	K1NZ16H00002	Connector, 16P	T
CNP501	K9ZZ00001486	Flate Cable, 18P	T
HP1	K4ZZ01000043	Terminal	T
HP2	K4ZZ01000043	Terminal	T
OEL901	L5HAZ8B00001	El Plate	T
L1	J0KG00000013	Coil	T
1	YEFA031898A	Upper Cover	T
2	K1ESCC8803W-J	Removable Face Plate Unit	T/RTL
3	YEFA134121	Back Cover, Detachable	T
4	YEFX9995948	Optical Shade	T
5	K1APCB9781X-J	Display PCB w/Component	T/RTL
6	YEFV023520	Optical Shade	T
7	YEFV012614	Insulator	T
10	YEFK061409	OEL Holder	T
11	YEFX0053121	Spring, Knob Vol	T
12	YEFE071005	Knob Vol	T
14	YEFX0217432	Case, OEL901	T
15	YEFX9995949	Double Face Tape	T
17	YEFJ013132	Decoration Board L	T
18	YEFX0013230	Indicator Arc	T
19	YEFJ013123	Acryl Panel C	T
20	YEFN07041	Panasonic Badge	T
21	YEFM991740	Double Face Tape	T
22	YEFC0266360	Front Cover D	T
23	YEFM991766	Paper Parts	T
27	YEFE1310578	Button, TUNE/TRACK Base	T
28	YEFJ013134	Vol Plate	T
29	YEFE1310577	Button, TUNE/TRACK Cap	T
31	YEFK061410	Shading Cover	T
32	YEFV023500	Optical Shade	T
33	YEFX0013229	Transparent Plate	T
34	YEFV023501	Optical Shade	T
35	YEFE1310573	Button, SRC	T
36	YEFE1310574	Button, MENU/BAND/D	T
37	YEFE1310723	Button, EJ/D.M/SQ/MUTE	T
38	YEFE1310579	Button, Relase	T
39	YEFX0053122	Spring, Relase	T
41	YEP0FX5807	DC-DC Converter Ass'y	T/RTL
42	YEFA032002	Upper Cover, DC-DC Converter	T
43	K1AAPB9441A-J	DC-DC PCB w/Component	T/RTL
44	YEFA131904	Bottom Cover, DC-DC Converter	T
45	YEFX007677	Clamper	T
46	YEFM031610	Laser Seal	T
47	YEFR041005	Cap	T
50	YEFA07669	Front Plate	T
51	YEFC0266429	Rear Cover, Escutcheon	T
52	YEFS022538	Pad, Escutcheon	T
54	YEFS012500	Pad, Escutcheon	T
55	YEFC0266428	Front Cover, Escutcheon	T
56	YEFA134132	Flexible PCB Case	T
57	YEP9FX352	Drive Mechanism Ass'y	T
58	K1ASMYC8803W	Main w/Component	T/RTL
59	YEFX9995990	Plate	T
60	YEFX0216309	Bracket, IC271	T
61	YEFF012036	Heat Sink	T

Ref. No.	Part No.	Part Name & Description	Remarks
62	YEFX007685	Clamper	T
63	YEFA081011	Rear Plate	T
64	YEFV012642	Insulator, IC271	T
65	YEFX0217451	Bracket, IC704	T
66	YEFV034036	Magnetic Shield	T
67	YEFV03900	Magnetic Shield, ANT101	T
68	YEFV012625	Insulator, CNP501	T
70	YEJS06404A	Binding Screw	T
71	XTB2+6GFJ	Tapping Screw, 2*6	T
73	YEJT03333A	Tapping Screw	T
74	XQN2+C4FJK	Binding Screw, 2*4	T
75	XQN2+BG8FJK	Tapping Screw, 2*8	T
76	XSB3+8FJ	Binding Screw, 3*8	T
77	XSB3+6FJ	Binding Screw, 3*6	T
78	XSB26+8FJ	Binding Screw, 2.6*8	T
79	XTB3+8FFJ	Tapping Screw, 3*8	T
80	XTB3+6FFJ	Tapping Screw, 3*6	T
81	XTB26+6FFJ	Tapping Screw, 2.6*6	T
83	YEJS05016A	Screw	T

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-22] CD Servo Block			
IC's and TRANSISTORs			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 μ F 25WV	
C102	YESCC439	Ceramic, 0.1 μ F 25WV	
C103	YESCC439	Ceramic, 0.1 μ F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 F 25WV	
C202	YESCC448	Ceramic, 0.033 F 25WV	
C203	YESCC439	Ceramic, 0.1 F 25WV	
C204	YESCC439	Ceramic, 0.1 F 25WV	
C205	YESCC439	Ceramic, 0.1 F 25WV	
C206	YESCC439	Ceramic, 0.1 F 25WV	
C207	YESCC439	Ceramic, 0.1 F 25WV	
C208	YESCC439	Ceramic, 0.1 F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 F 25WV	
C211	YESCC439	Ceramic, 0.1 F 25WV	
C212	YESCC439	Ceramic, 0.1 F 25WV	
C213	YESCC439	Ceramic, 0.1 F 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 F 50WV	
C216	YESCC442	Ceramic, 0.01 F 50WV	
C218	YESCC442	Ceramic, 0.01 F 50WV	
C219	YESCC525	Ceramic, 0.047 F 50WV	
C220	YESCC439	Ceramic, 0.1 F 25WV	
C221	YESCC442	Ceramic, 0.01 F 50WV	
C222	YESCC439	Ceramic, 0.1 F 25WV	
C223	YESCC444	Ceramic, 0.015 F 50WV	
C224	YESCC439	Ceramic, 0.1 F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 F 25WV	
C227	YESCC439	Ceramic, 0.1 F 25WV	
C228	YESCC439	Ceramic, 0.1 F 25WV	
C229	YESCC439	Ceramic, 0.1 F 25WV	
C234	YESCC439	Ceramic, 0.1 F 25WV	
C235	YESCC442	Ceramic, 0.01 F 50WV	
C236	YESCC439	Ceramic, 0.1 F 25WV	
C251	YESCC459	Electrolytic, 47 F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 F 25WV	
C261	YESCC439	Ceramic, 0.1 F 25WV	
C263	YESCC439	Ceramic, 0.1 F 25WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 F 25WV	
C305	YESCC450	Ceramic, 0.047 F 25WV	
C306	YESCC439	Ceramic, 0.1 F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	
C401	YESCC452	Ceramic, 1 F 16WV	
C403	YESCC453	Ceramic, 0.47 F 25WV	
C407	YESCC452	Ceramic, 1 F 16WV	
C408	YESCC453	Ceramic, 0.47 F 25WV	
C451	YESCC459	Electrolytic, 47 F 6.3WV	
C452	YESCC459	Electrolytic, 47 F 6.3WV	
C454	YESCC459	Electrolytic, 47 F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORs			
L403	YESRG241	Chip, 0 1/8W	
R101	YESRG233	Chip, 47k 1/10W	
R102	YESRG233	Chip, 47k 1/10W	
R103	YESRG233	Chip, 47k 1/10W	

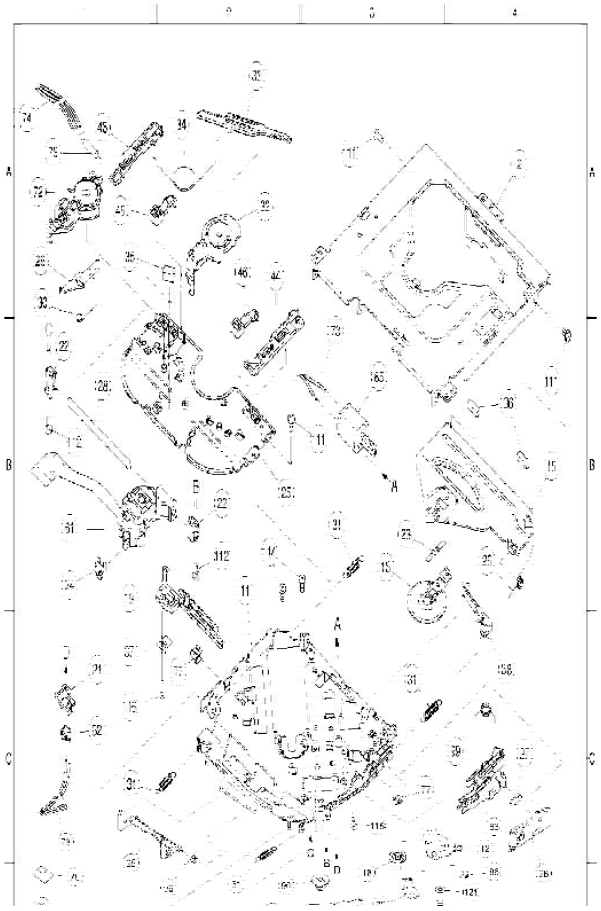
Ref. No.	Part No.	Part Name & Description	Remarks
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k Ω 1/10W	
R121	YESRG232	Chip, 4.7k Ω 1/10W	
R122	YESRG232	Chip, 4.7k Ω 1/10W	
R124	YESRG223	Chip, 10k Ω 1/10W	
R125	YESRG230	Chip, 3.3k Ω 1/10W	
R126	YESRG230	Chip, 3.3k Ω 1/10W	
R128	YESRG228	Chip, 22k Ω 1/10W	
R129	YESRG227	Chip, 2.2k Ω 1/10W	
R130	YESRG221	Chip, 100 Ω 1/10W	
R131	YESRG221	Chip, 100 Ω 1/10W	
R132	YESRG221	Chip, 100 Ω 1/10W	
R134	YESRG223	Chip, 10k Ω 1/10W	
R135	YESRG221	Chip, 100 Ω 1/10W	
R136	YESRG226	Chip, 220 Ω 1/10W	
R139	YESRG223	Chip, 10k Ω 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R201	YESRG224	Chip, 100k 1/10W	
R202	YESRG355	Chip, 1M 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 1/16W	
R204	ERJ3GEY0R00V	Chip, 0 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 1/16W	
R206	ERJ3GEY0R00V	Chip, 0 1/16W	
R207	YESRG224	Chip, 100k 1/10W	
R208	YESRG224	Chip, 100k 1/10W	
R209	YESRG226	Chip, 220 1/10W	
R210	YESRG224	Chip, 100k 1/10W	
R211	YESRG224	Chip, 100k 1/10W	
R212	YESRG224	Chip, 100k 1/10W	
R213	YESRG224	Chip, 100k 1/10W	
R214	YESRG224	Chip, 100k 1/10W	
R215	YESRG224	Chip, 100k 1/10W	
R217	YESRG237	Chip, 5.6k 1/10W	
R218	YESRG357	Chip, 150k 1/10W	
R219	YESRG233	Chip, 47k 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 1/16W	
R222	YESRG356	Chip, 15k 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R224	YESRG228	Chip, 22k 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 1/16W	
R227	YESRG221	Chip, 100 1/10W	
R229	ERJ3GEY0R00V	Chip, 0 1/16W	
R231	YESRG234	Chip, 4.7 1/10W	
R232	YESRG223	Chip, 10k 1/10W	
R233	YESRG228	Chip, 22k 1/10W	
R245	YESRG224	Chip, 100k 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 1/16W	
R250	YESRG229	Chip, 330 1/10W	
R301	YESRG230	Chip, 3.3k 1/10W	
R302	YESRG227	Chip, 2.2k 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 1/16W	
R304	YESRG230	Chip, 3.3k 1/10W	
R305	YESRG223	Chip, 10k 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 1/16W	
R307	YESRG230	Chip, 3.3k 1/10W	
R308	YESRG227	Chip, 2.2k 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 1/16W	
R310	YESRG230	Chip, 3.3k 1/10W	
R311	YESRG227	Chip, 2.2k 1/10W	
R312	ERJ3GEY0R00V	Chip, 0 1/16W	
R314	YESRG356	Chip, 15k 1/10W	
R324	YESRG223	Chip, 10k 1/10W	
R325	YESRG223	Chip, 10k 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 1/16W	
CONNECTORs			
CN101	YESAE417	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			

Ref. No.	Part No.	Part Name & Description	Remarks
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP475	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ02016	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
76	YESFV01069	Solder Cover	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	

Ref. No.	Part No.	Part Name & Description	Remarks
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

15. EXPLODED VIEW (CD Deck)

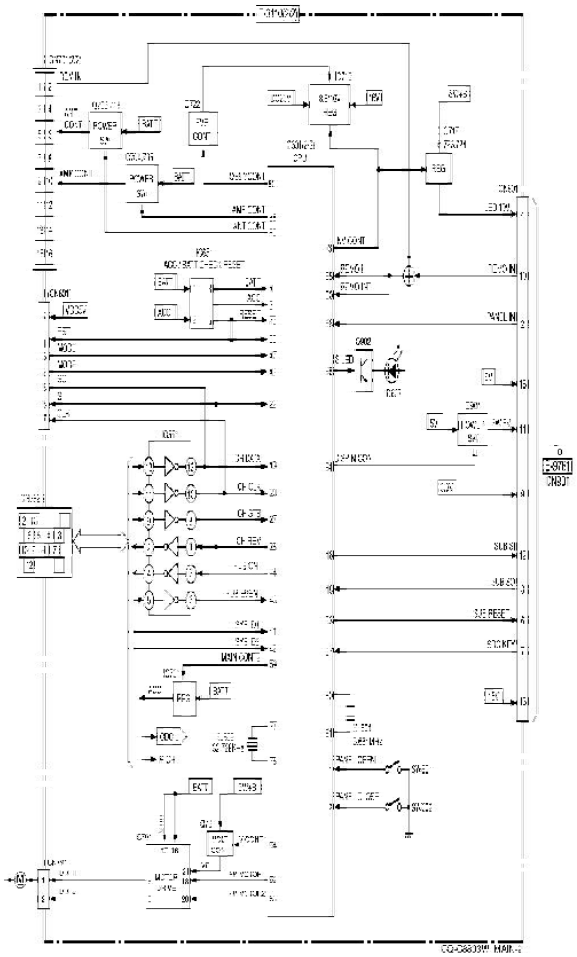


16. WIRING DIAGRAM

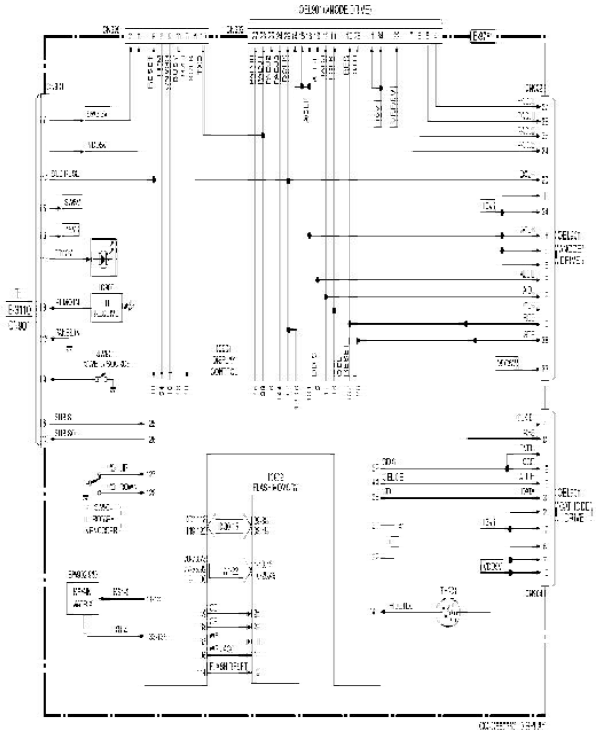
16.1. Main Block (Top View)

16.2. Main Block (Bottom View)
16.3. Display Block
16.4. DC-DC Block
16.5. CD Servo Block (Top View)
16.6. CD Servo Block (Bottom View)
17. SCHEMATIC DIAGRAM-1
17.1. DC-DC Block
18. SCHEMATIC DIAGRAM-2
18.1. Main Block-1
18.2. Main Block-2
18.3. Main Block-3
18.4. Display Block
18.5. CD Servo Block
19. BLOCK DIAGRAM
19.1. Main Block-1

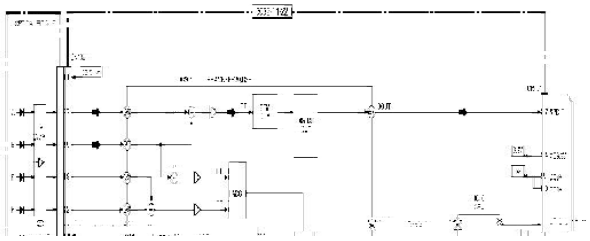
19.2. Main Block-2



19.3. Display Block



19.4. CD Servo Block



20. SCHEMATIC DIAGRAM for Printing with A4 Size

20.1. Main Block-1 (Left Side)

20.2. Main Block-1 (Right Side)

20.3. Main Block-2 (Left Side)

20.4. Main Block-2 (Right Side)

20.5. Main Block-3 (Left Side)

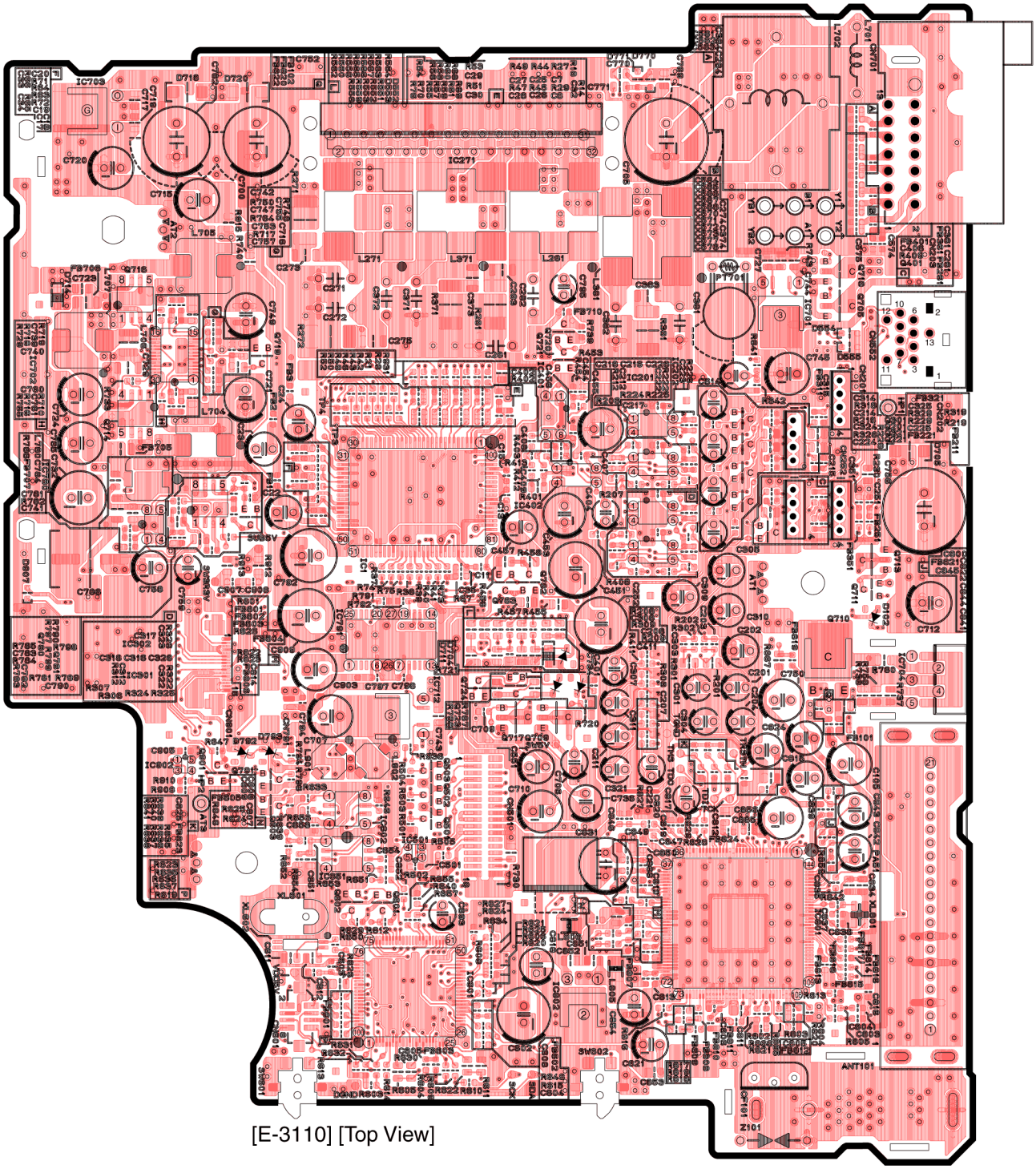
20.6. Main Block-3 (Right Side)

20.7. Display Block (Left Side)

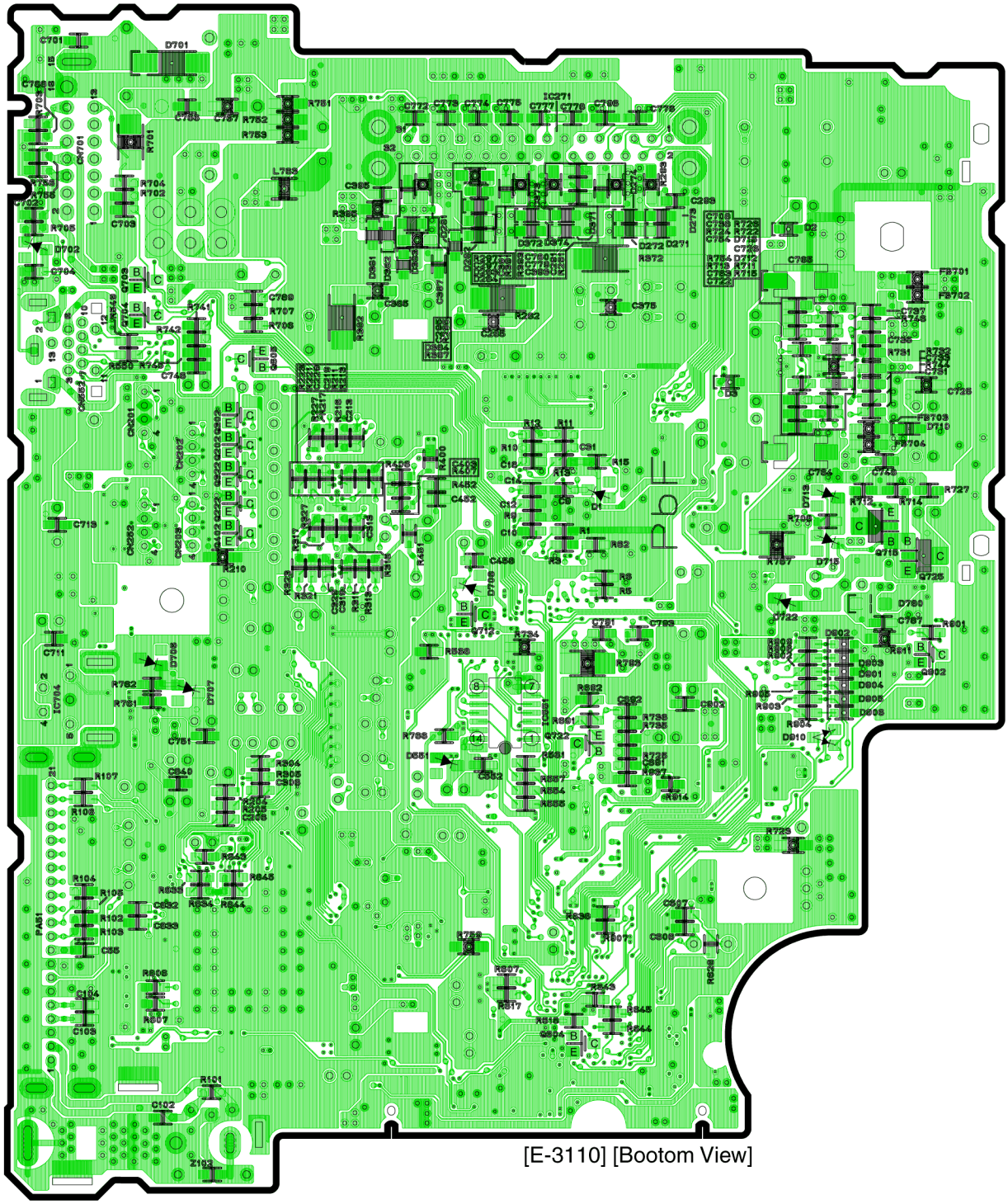
20.8. Display Block (Right Side)

20.9. CD Servo Block (Left Side)

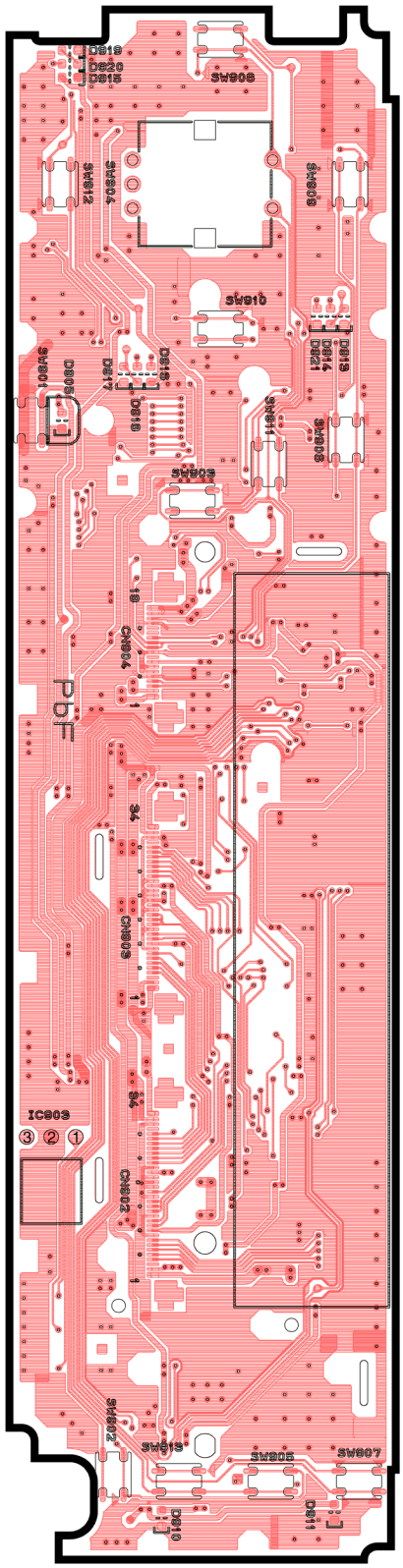
20.10. CD Servo Block (Right Side)



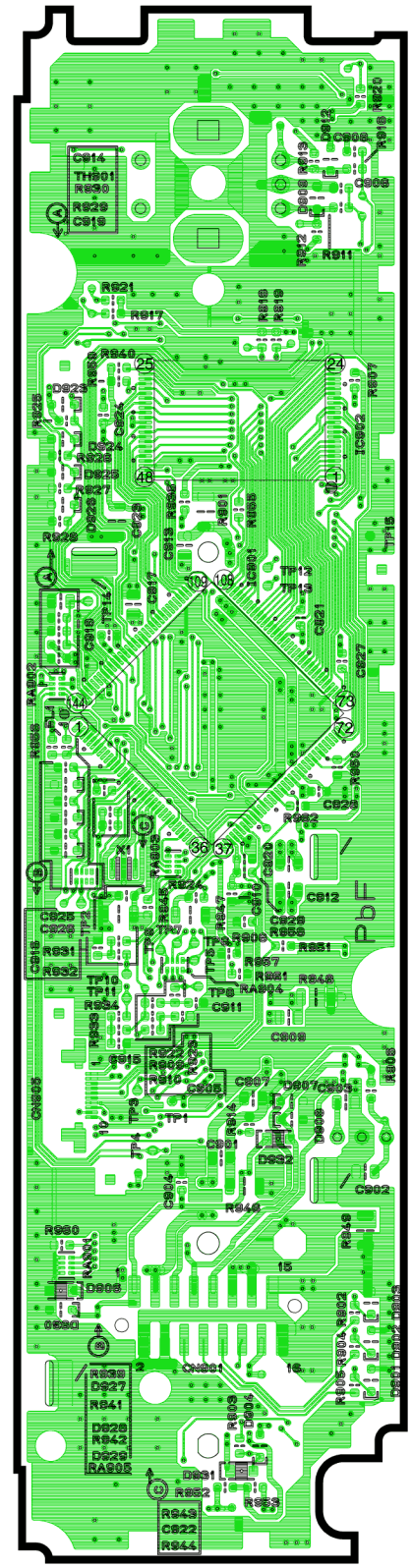
[E-3110] [Top View]



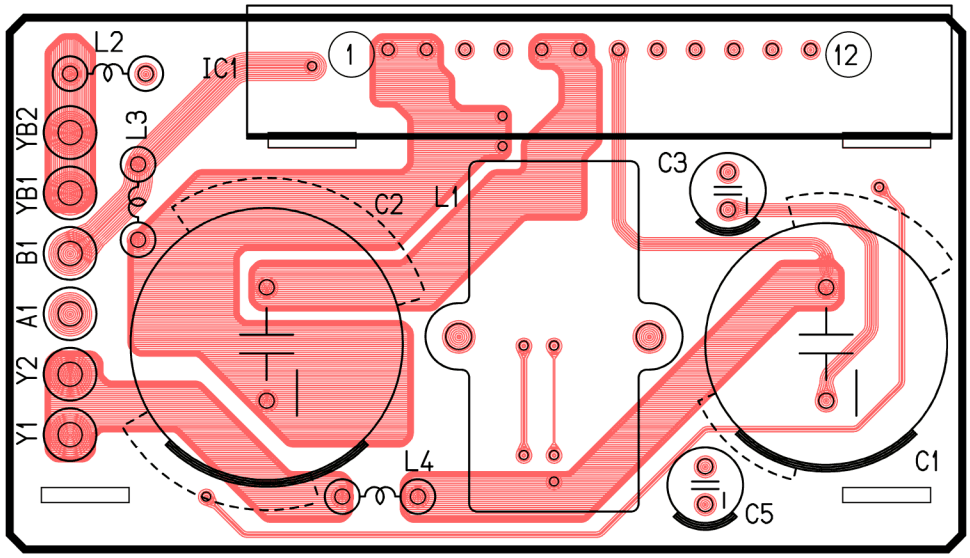
[E-3110] [Bootom View]



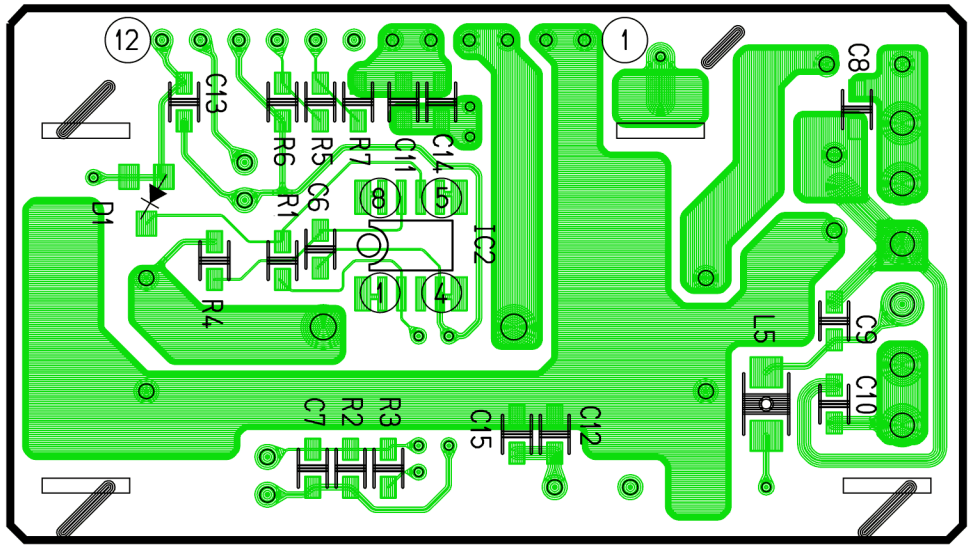
[E-9781] [Top View]



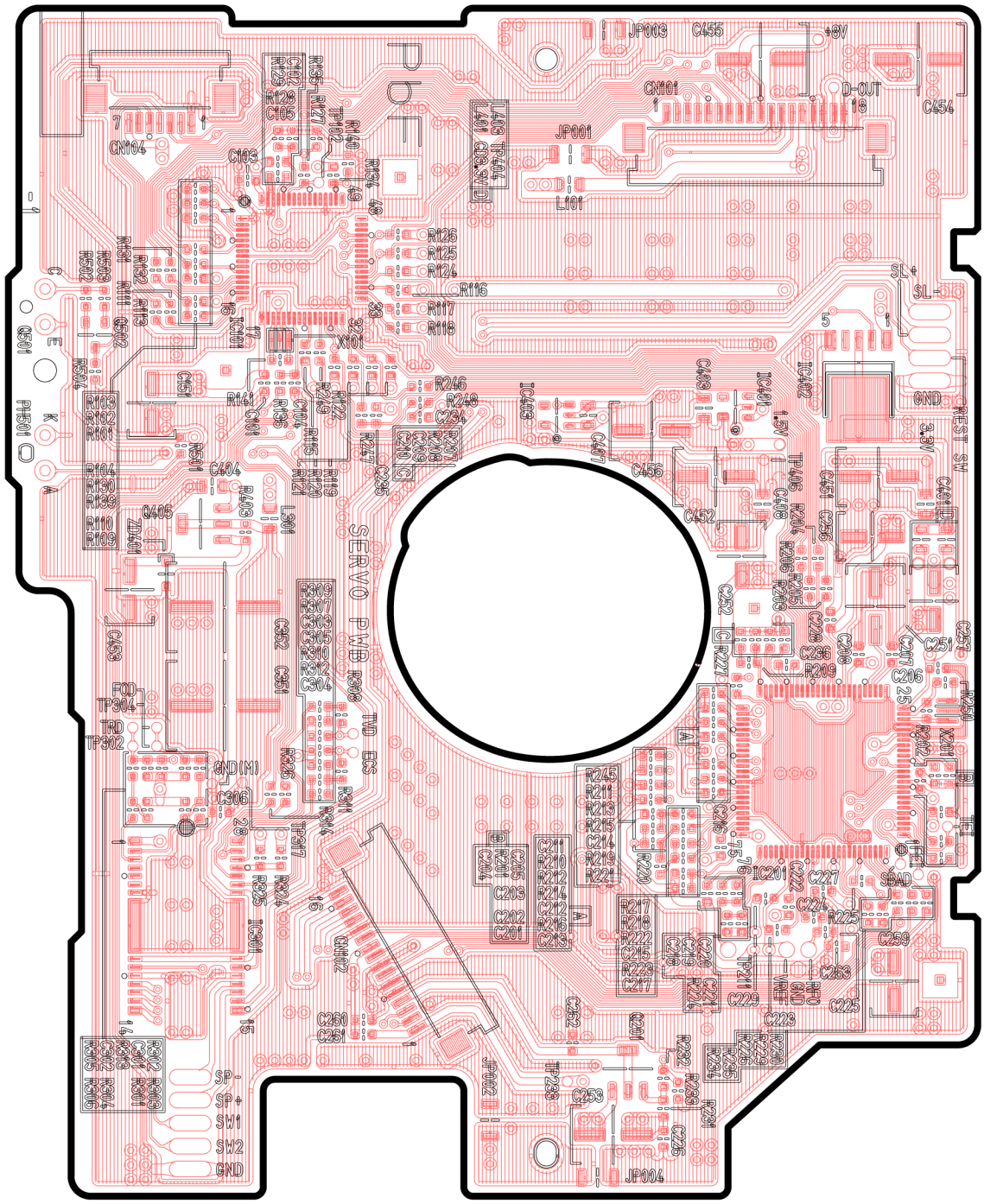
[E-9781] [Bottom View]



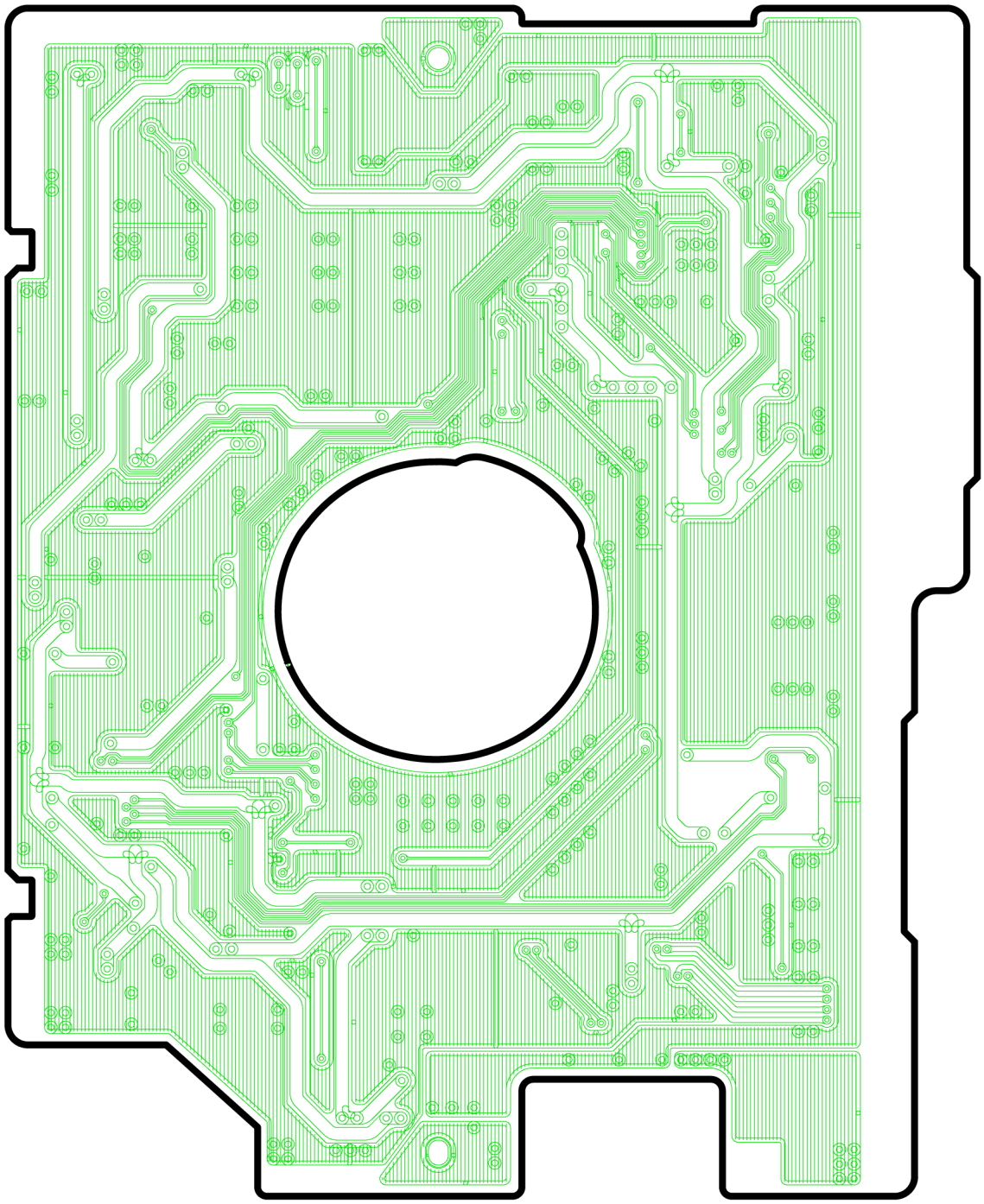
[E-9441][Top View]



[E-9441][Bottom View]



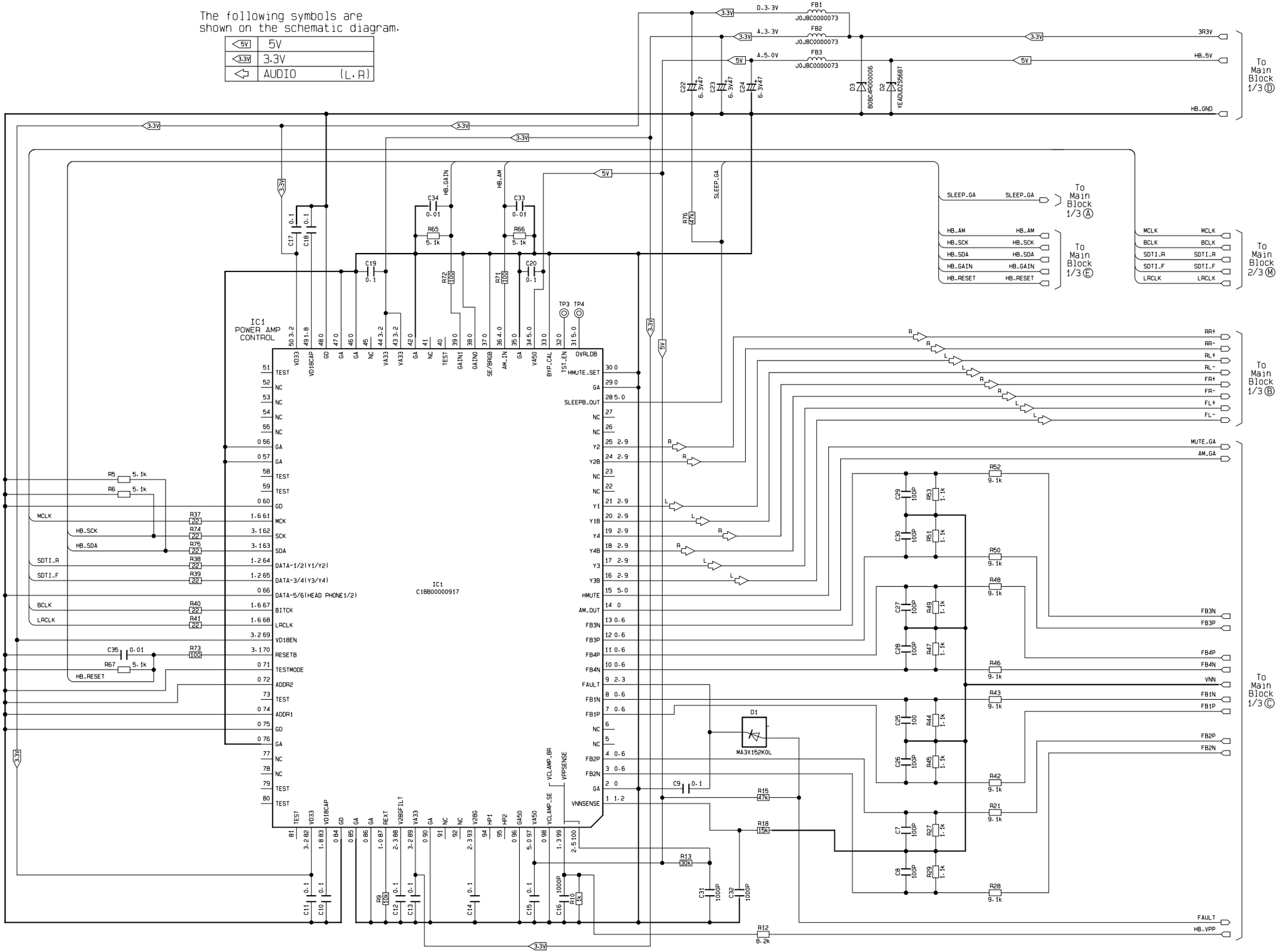
[3032-14-22] [Top View]



[3032-14-22] [Bottom View]

The following symbols are shown on the schematic diagram.

5V	5V
3.3V	3.3V
⇦	AUDIO (L,R)



E-3110

PRE-OUT FRONT

PRE-OUT REAR

S.W-OUT

AUX1-IN

PA51 FM/AM TUNER PACK

IC801 CAR AUDIO DSP

IC802 REG

IC201 AUDIO AMP

IC202 AUDIO AMP

IC301 AUDIO AMP

IC401 SW AMP

IC402 SW AMP

The following symbols are shown on the schematic diagram.

18V	18V	1.8V	1.8V
14V	14V	RADIO	
8.5V	8.5V	CD	
3.3V	3.3V	AUDIO	(L.R)

The following symbols are shown on the schematic diagram.

◁	+B	8V	8V
◁ACC	ACC	5V	5V
18V	18V	3.3V	3.3V
16V	16V	CD	CD
14V	14V	AUDIO	(L,R)
10V	10V		

To Main Block 2/3 (F)
To Main Block 2/3 (G)
To Main Block 2/3 (H)
To Main Block 2/3 (I)
To Main Block 2/3 (J)
To Main Block 2/3 (K)
To Main Block 2/3 (L)
To Main Block 3/3 (A)
To Main Block 3/3 (B)
To Main Block 3/3 (C)
To Main Block 3/3 (D)
To Main Block 3/3 (E)
To Drive Mechanism Ass'y
TO E-9441 CN2
TO 302-14-22 CN101
TO E-9781 CN901

IC701 REG C0CBCY600004
IC704 REG C0DAEK000002
IC271 POWER AMP C1AA00000744
IC791 MOTOR DRIVE C0DBGA000032
IC702 DC/DC CONV. CONTROL C0DBAA000039
IC551 INVERTER C0DBAA000038
IC501 LEVEL SHIFT C0JBAA000372
IC601 CPU C2CBK0000041
IC780 SW REG C0DBAZ000035
IC712 8.5V/16V REG C0CBCY600004
IC551 ACC/BATT DETECT-RESET C0DBM0000154
IC602 FLASH MEMORY C3CBCA000001

CG-C6803W
MAIN 1/3

IC903
IR
RECEIVE

TO
E-3110
CN901

IC902
FLASH
MEMORY

IC901
DISPLAY
CONTROL

IC901
C2CBK.K00195

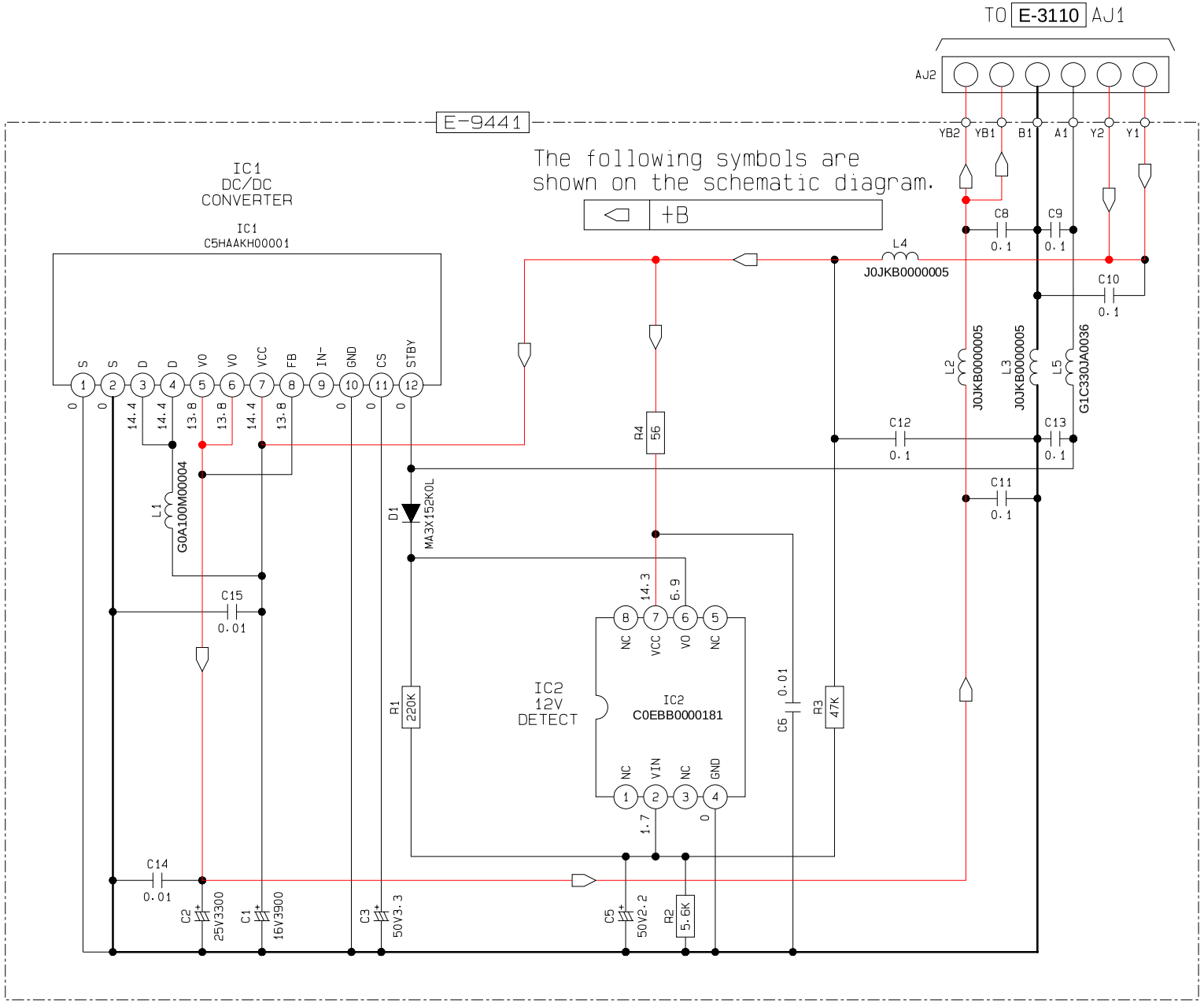
(CN905)
VCC1
VCC2
BUSY
SCLK
RXD
EPM
GND
/RESET
CNVSS
TXD

The following symbols are
shown on the schematic diagram.

<16V	16V
<10V	10V
<5V	5V
<3.3V	3.3V

TO OEL901
TO OEL901
TO OEL901

CG-C88031M
DISP


TO E-3110 AJ1
AJ2
YB2
YB1
B1
A1
Y2
Y1
E-9441
The following symbols are shown on the schematic diagram.
+B
IC1
DC/DC
CONVERTER
IC1
C5HAAKH00001
S
S
D
D
VO
VO
VCC
FB
IN-
GND
CS
STBY
L4
J0JKB0000005
C8
C9
C10
0.1
L2
J0JKB0000005
L3
J0JKB0000005
L5
G1C330JA0036
C12
C13
C11
L1
G0A100M00004
D1
MA3X152K0L
R4
56
C15
0.01
IC2
12V
DETECT
IC2
C0EBB0000181
NC
VCC
VO
NC
NC
VIN
NC
GND
R1
220K
R3
47K
C6
0.01
C14
C2
25V3300
C1
16V3900
C3
50V3.3
C5
50V2.2
R2
5.6K

To Optical Pic Up Assy

IC201
YESAM343

IC101
YESAM337

IC301
YESAM339

IC401
YESAM341

IC402
YESAM342

IC403
YESAM341

Q201
YESAN086

X201

0.5V/DIV,0.1μs/DIV

2V/DIV,1ms/DIV

2V/DIV,5ms/DIV

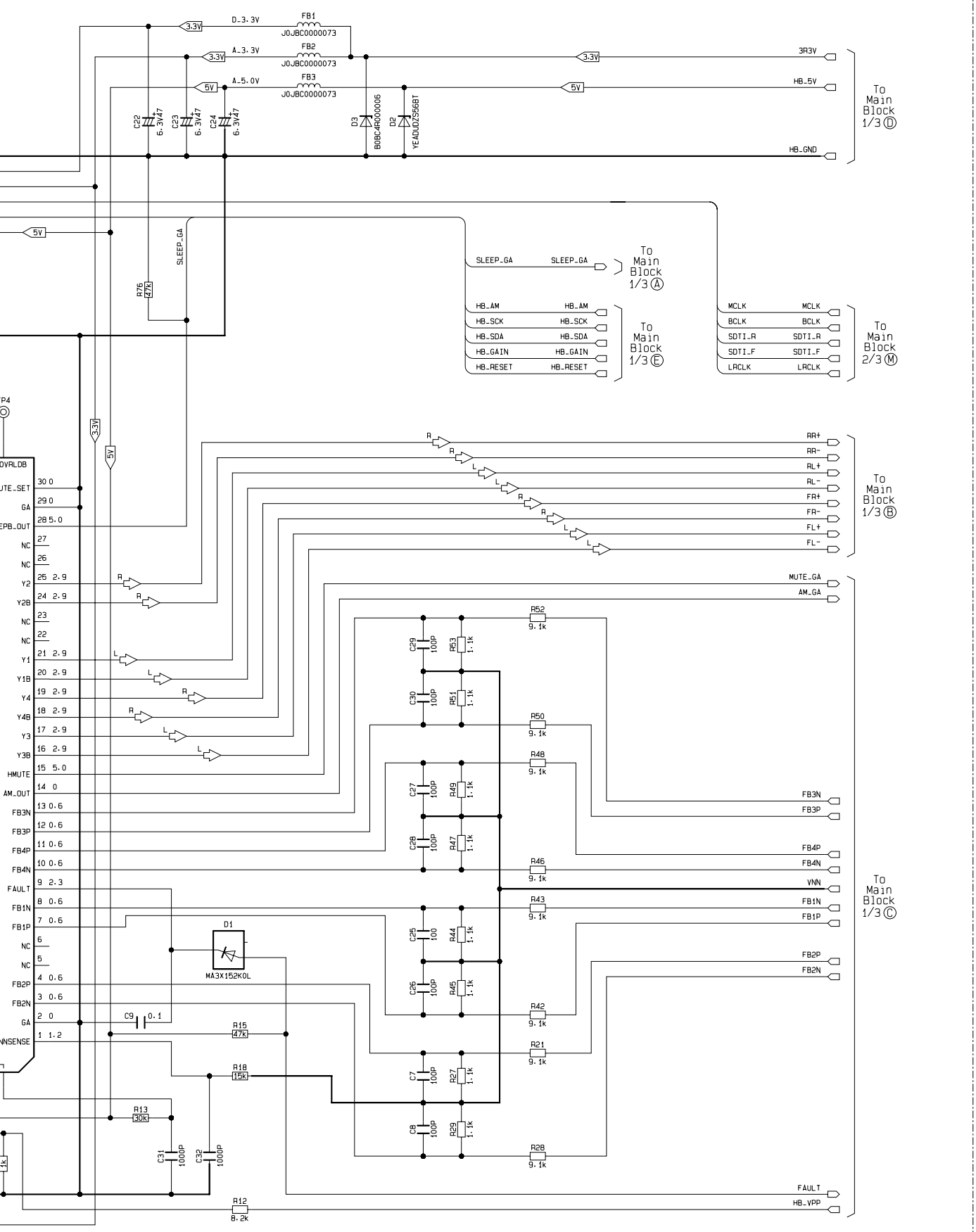
2V/DIV,5ms/DIV

To MAIN CN501

The following symbols are shown on the schematic diagram.

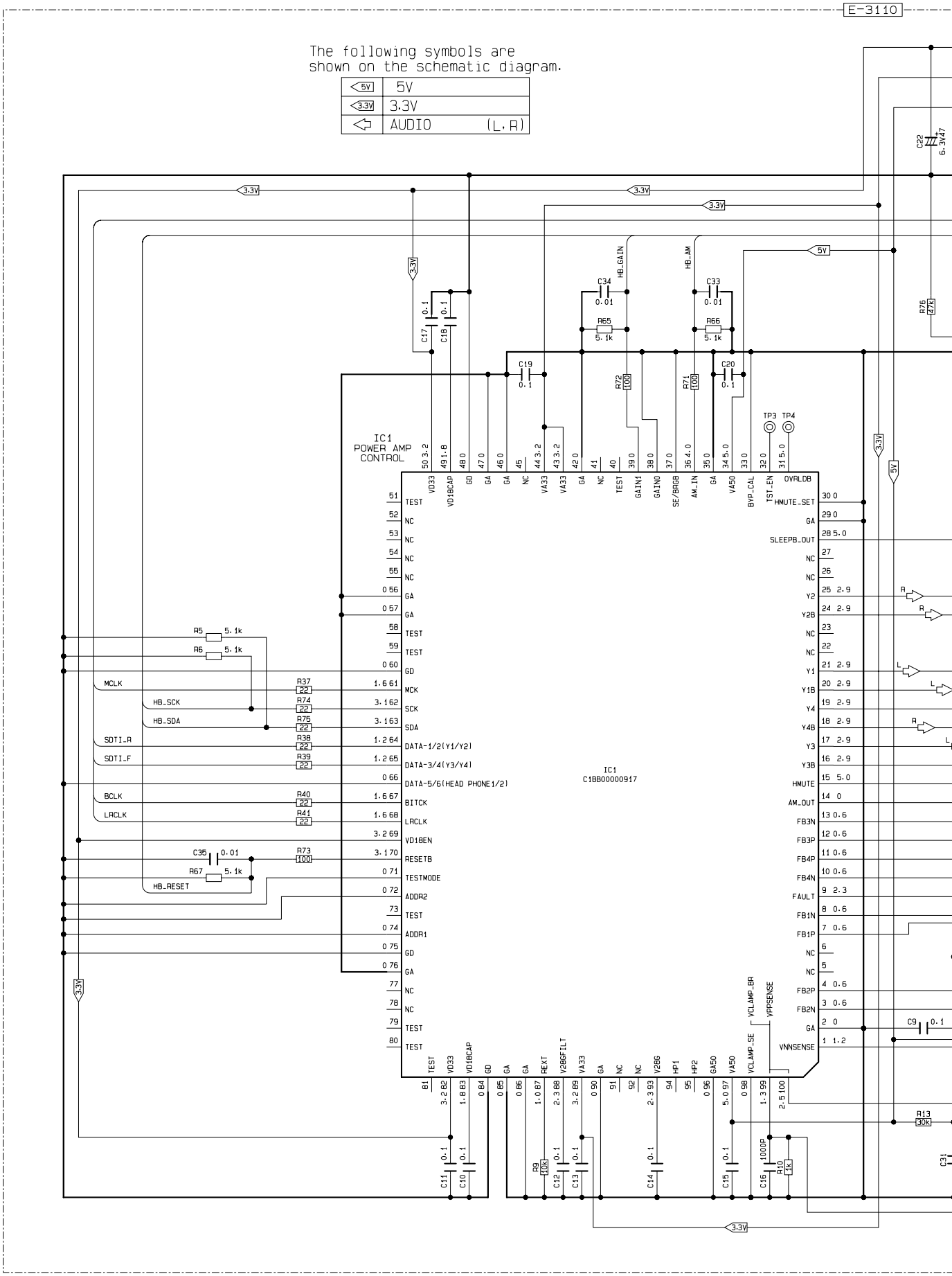
8V	8V
3.3V	3.3V

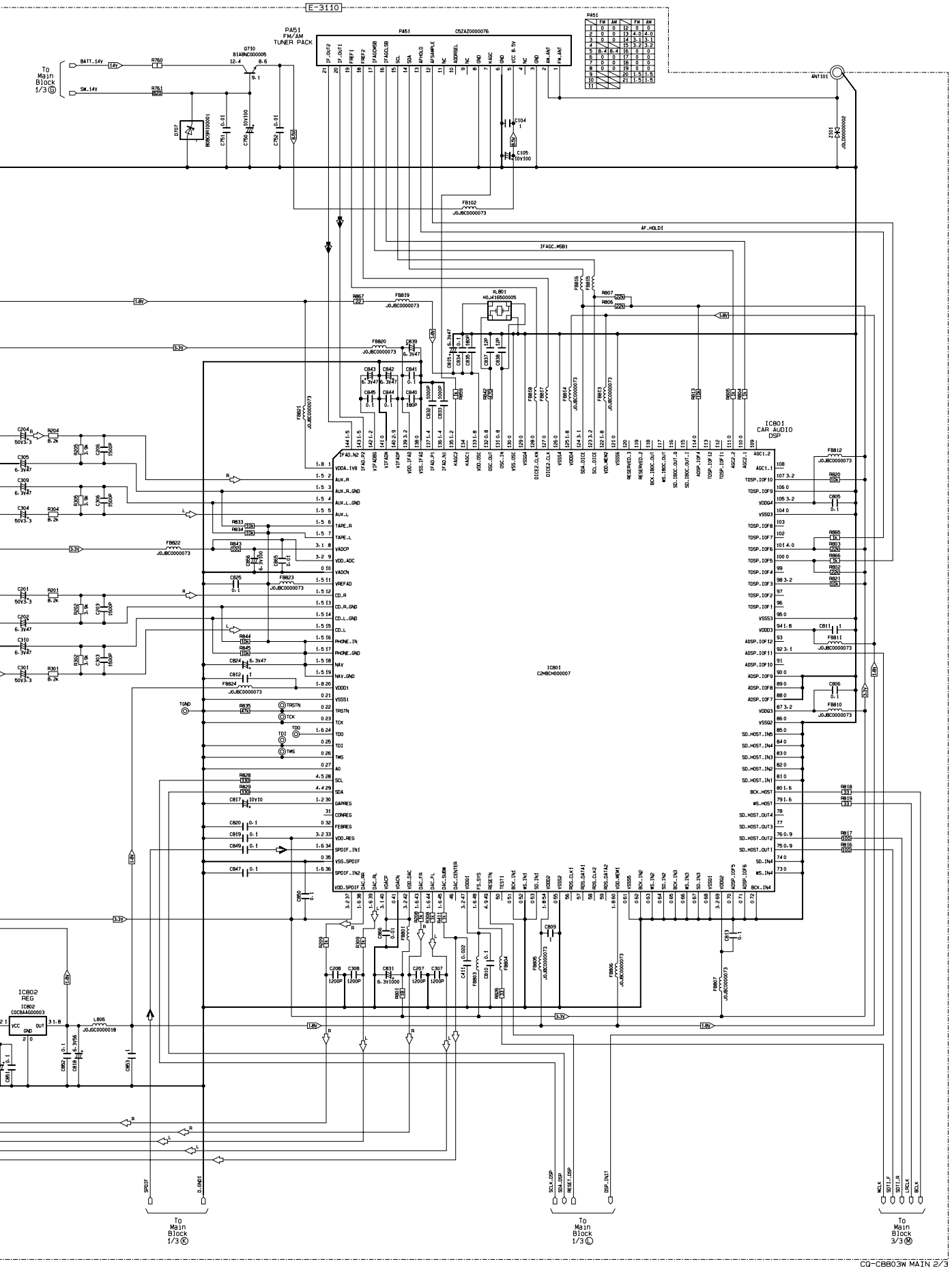
E-3110



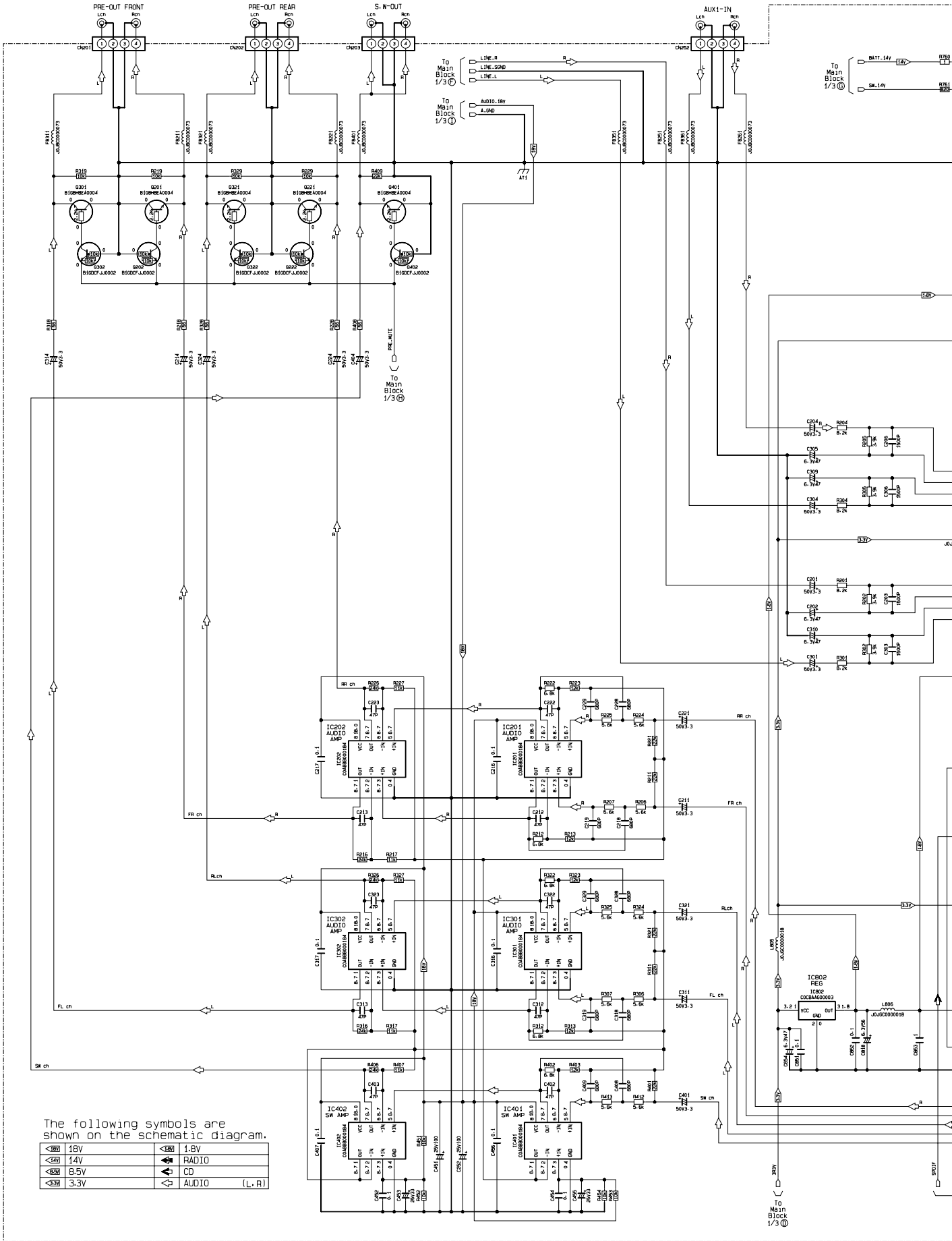
CQ-C8803W MAIN 3/3

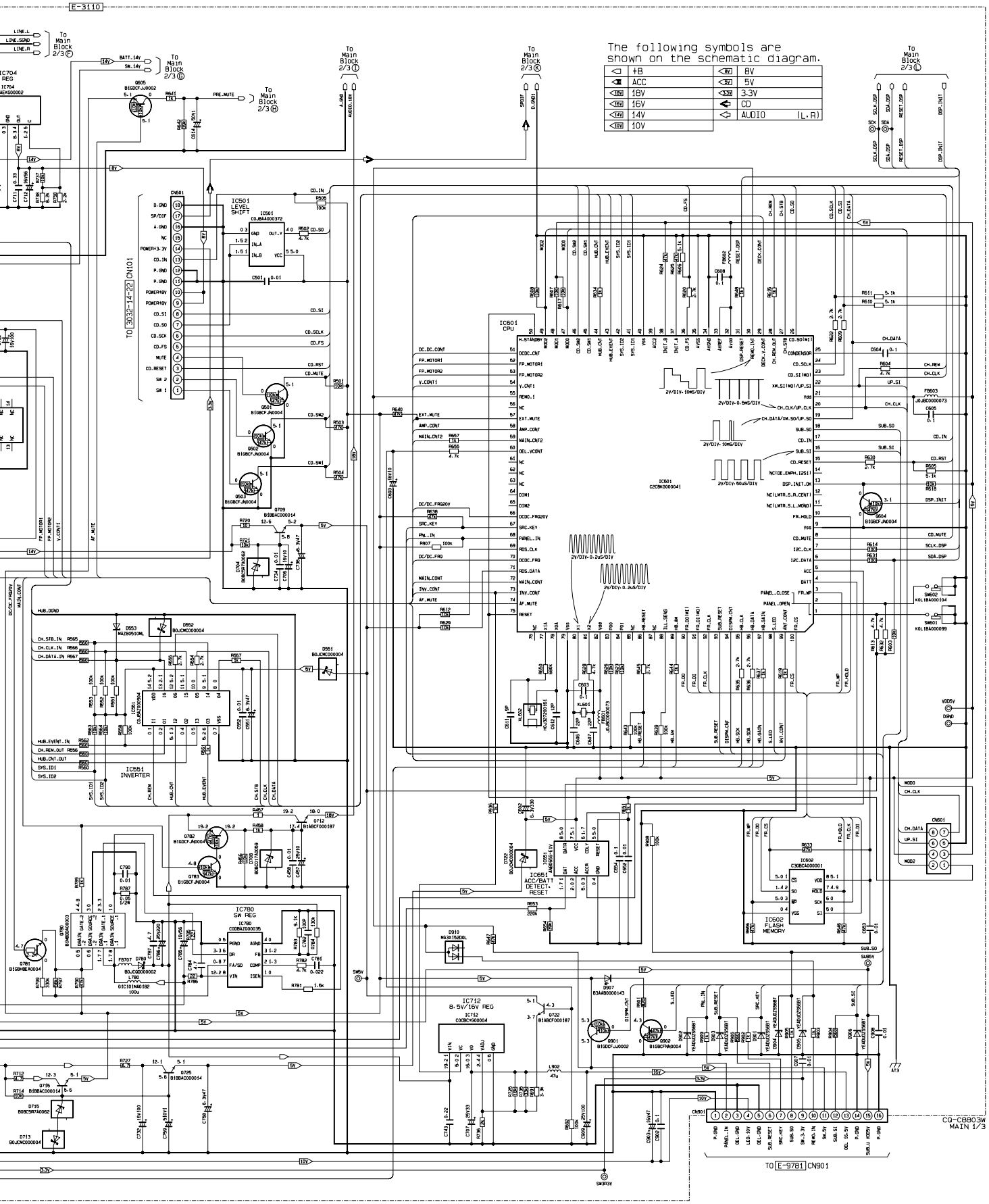
18.3. Main Block-3




E-3110
PA51
FM/AM
TUNER PACK
PA51
C5ZAZ0000076
ANT101
FB102
JOJBC0000073
AF_HOLD1
IFAGC_MSB1
XL801
HOJ416500005
IC801
CAR AUDIO
DSP
IC801
C2HBCH000007
IC802
REG
C0CBAAG00003
L806
JOJGC0000018
To
Main
Block
1/3G
To
Main
Block
1/3K
To
Main
Block
1/3L
To
Main
Block
3/3M
CQ-C8803W MAIN 2/3

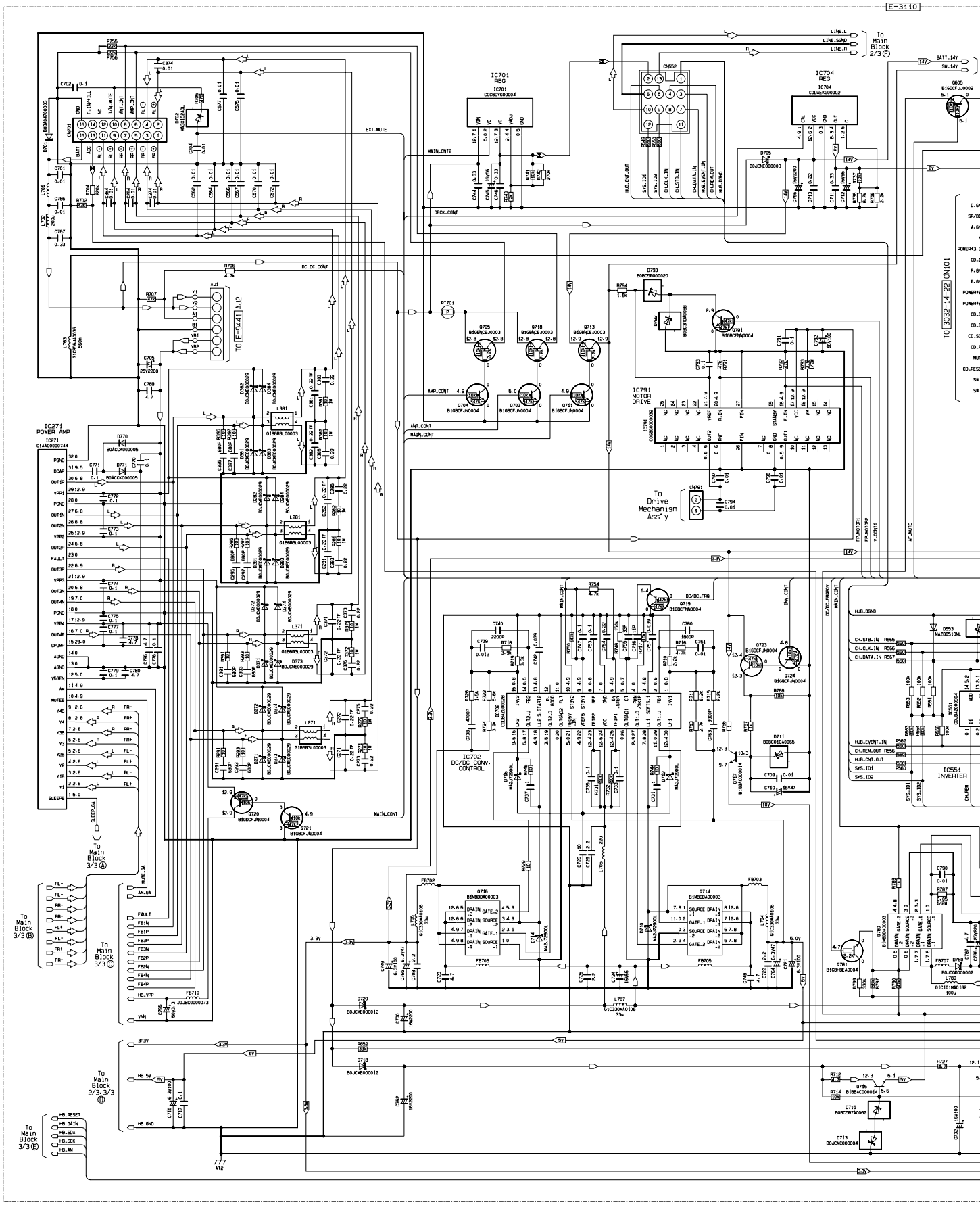
18.2. Main Block-2

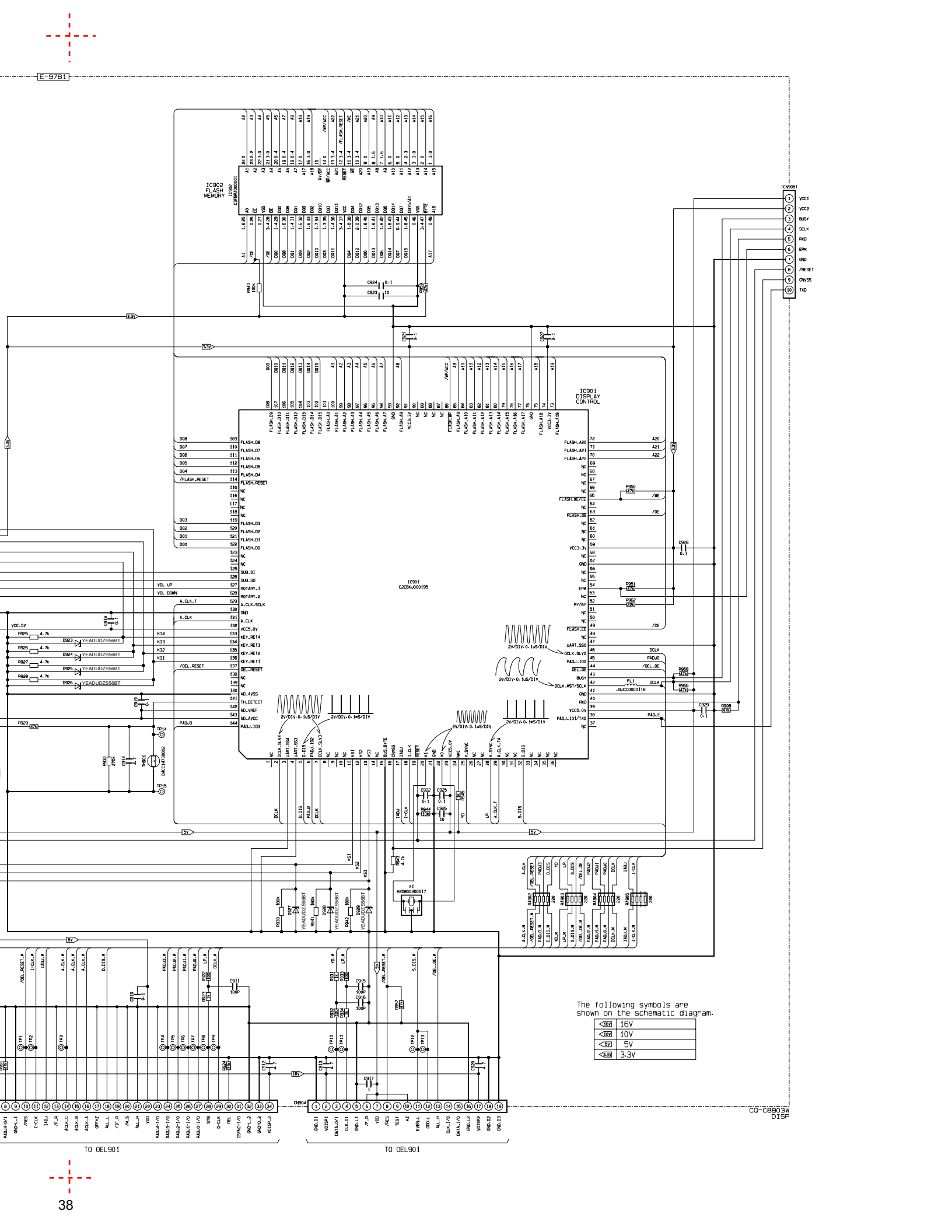



E-3110
The following symbols are shown on the schematic diagram.
+B
ACC
18V
16V
14V
10V
8V
5V
3.3V
CD
AUDIO (L,R)
IC501 LEVEL SHIFT
IC501 CD.BBA4000372
IC601 CPU
IC601 C2CBKG000041
IC551 INVERTER
IC651 ACC/BATT DETECT. RESET
IC712 8.5V/16V REG
IC712 C0DBCY000004
IC780 SW REG
IC780 C0DBAZ000035
IC602 FLASH MEMORY
IC602 C3GBCA000001
CN601
CN901
TO 3032-14-22 CN101
TO E-9781 CN901
CQ-C8803W MAIN 1/3

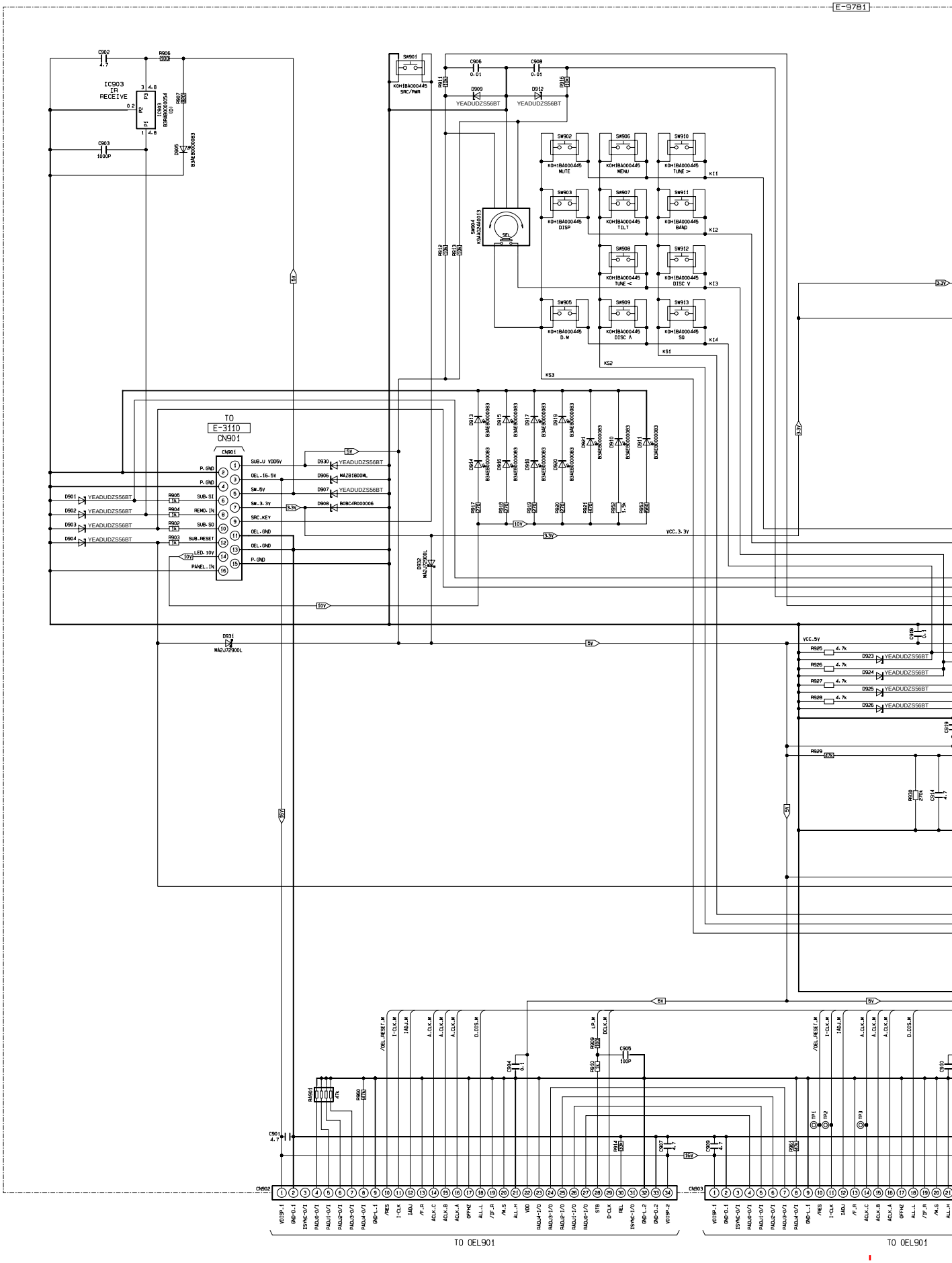
18 SCHEMATIC DIAGRAM-2

18.1. Main Block-1

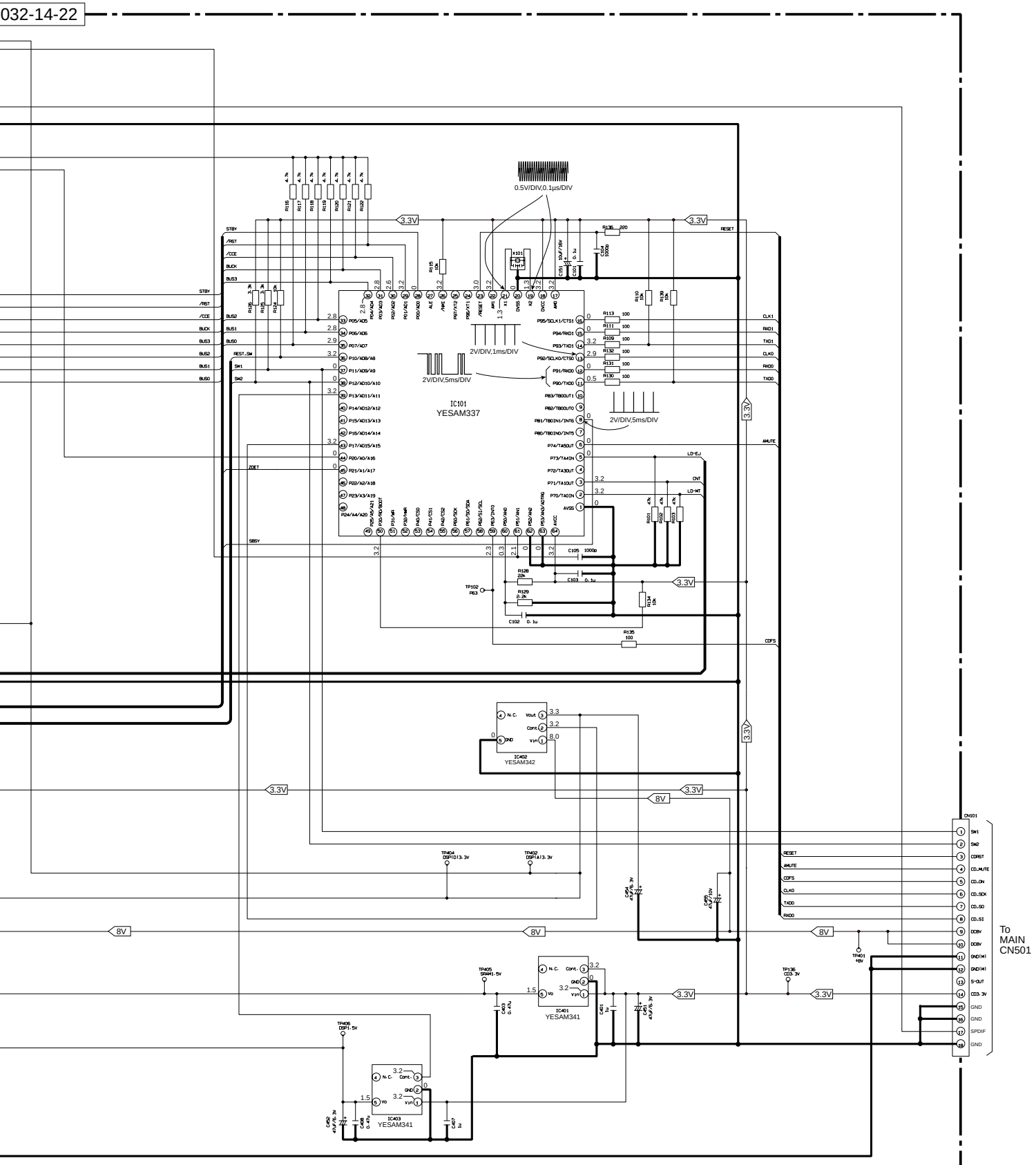



E-9781
IC902
FLASH
MEMORY
IC901
DISPLAY
CONTROL
IC901
C20BKJ000195
CN905
VCC1
VCC2
BUSY
SCLK
RXD
EPM
GND
/RESET
CNVSS
TXD
FLASH.D8
FLASH.D7
FLASH.D6
FLASH.D5
FLASH.D4
FLASH.RESET
FLASH.D3
FLASH.D2
FLASH.D1
FLASH.D0
FLASH.A20
FLASH.A21
FLASH.A22
FLASH.WE/CE
FLASH.OE
FLASH.CE
/WE
/OE
/CE
VOL UP
VOL DOWN
ROTARY.1
ROTARY.2
KEY.RET4
KEY.RET3
KEY.RET2
KEY.RET1
/DEL.RESET
/DEL.OE
UART.SSO
DCLK.SLV0
PADJ.I00
BUSY
DCLK.MST/SCLK
RXD
PADJ.I01/TXD
PADJ1
EPM
RY/BY
VCC3.3V
VCC5.0V
3.3V
5V
16V
10V
TO OEL901
TO OEL901
CG-C8803W
DISP
The following symbols are
shown on the schematic diagram.
16V
10V
5V
3.3V

18.4. Display Block

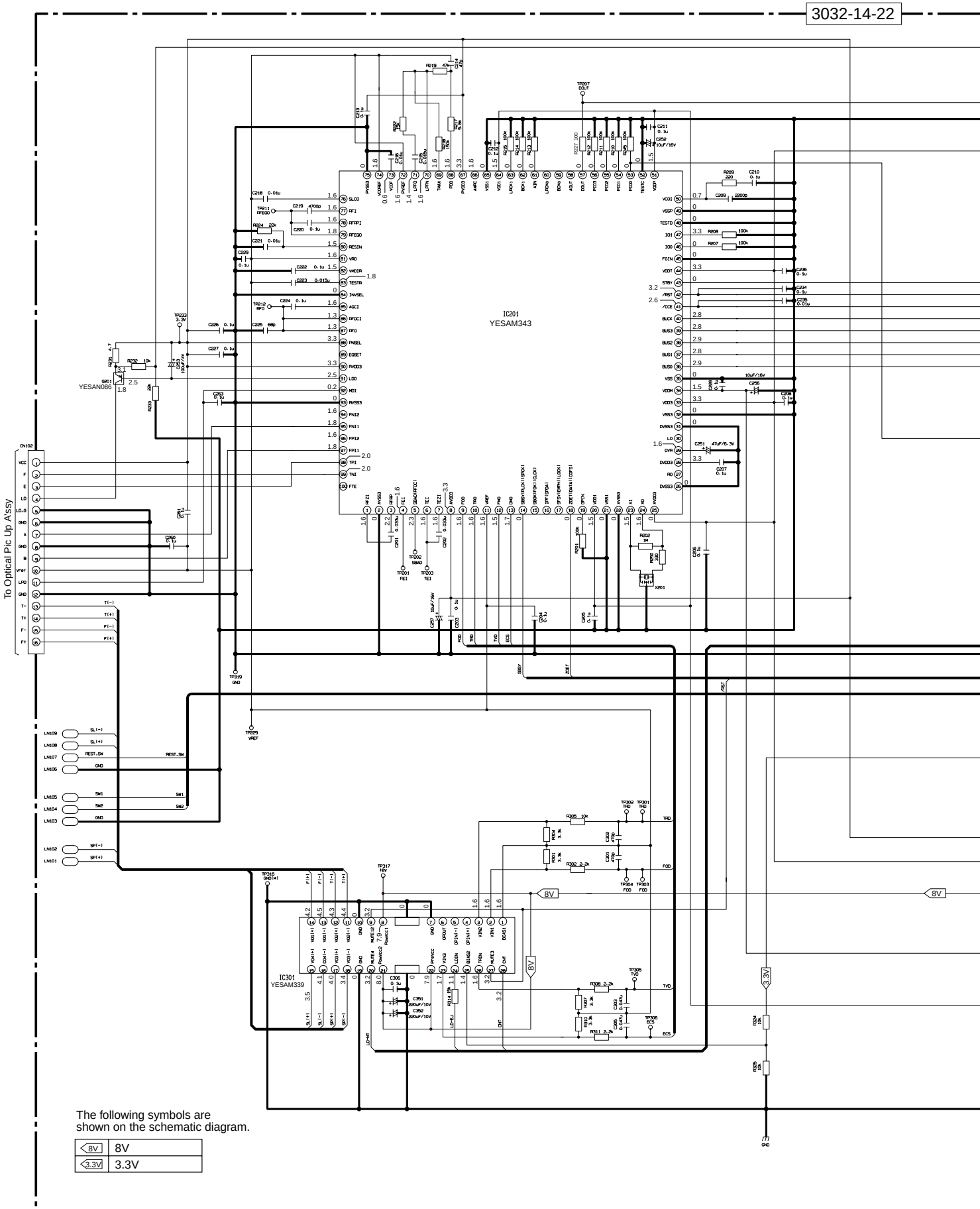


032-14-22


0.5V/DIV,0.1µs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
IC101
YESAM337
IC402
YESAM342
IC401
YESAM341
IC403
YESAM341
3.3V
8V
RESET
AMUTE
CDFS
CLK0
TXD0
RXD0
CN101
To
MAIN
CN501

18.5. CD Servo Block

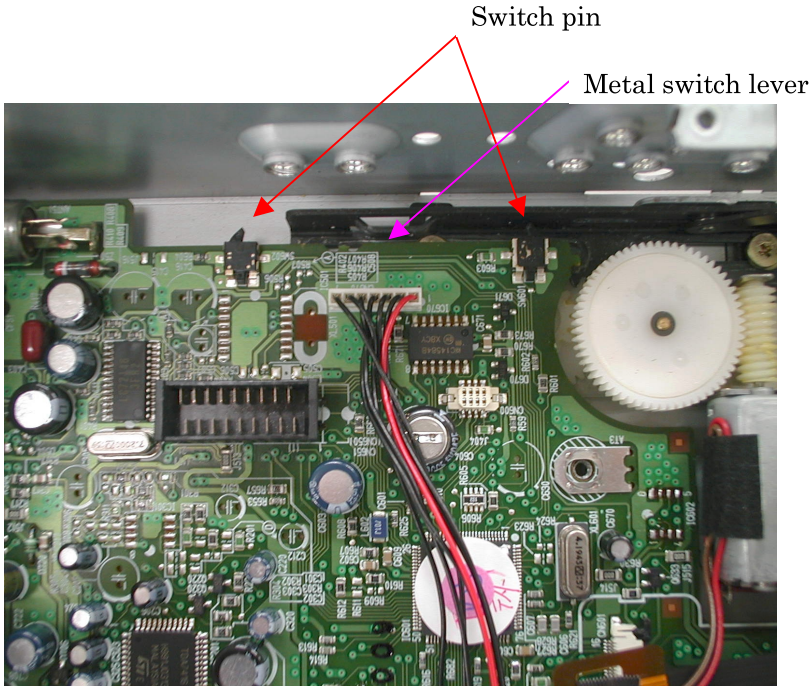
3032-14-22



The following symbols are shown on the schematic diagram.

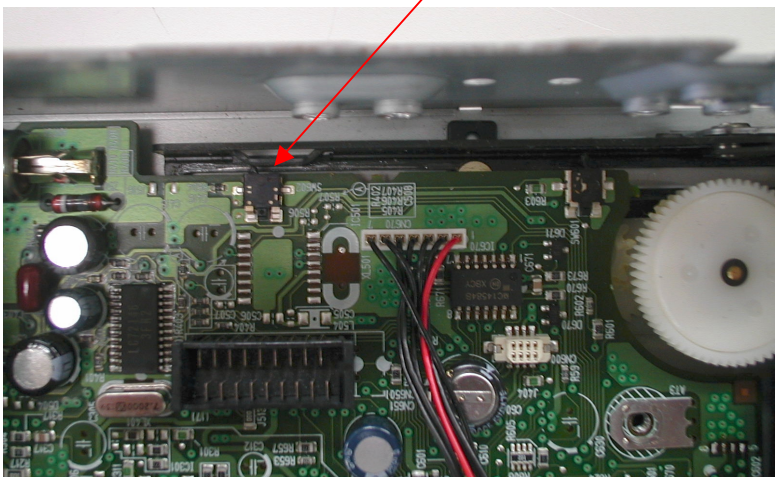
8V	8V
3.3V	3.3V

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.

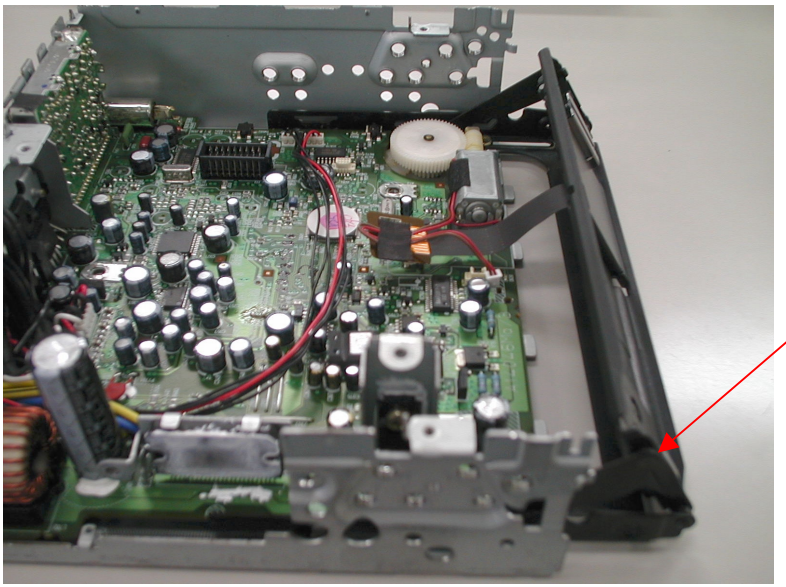


Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.



Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees